

Sciences



Cengage

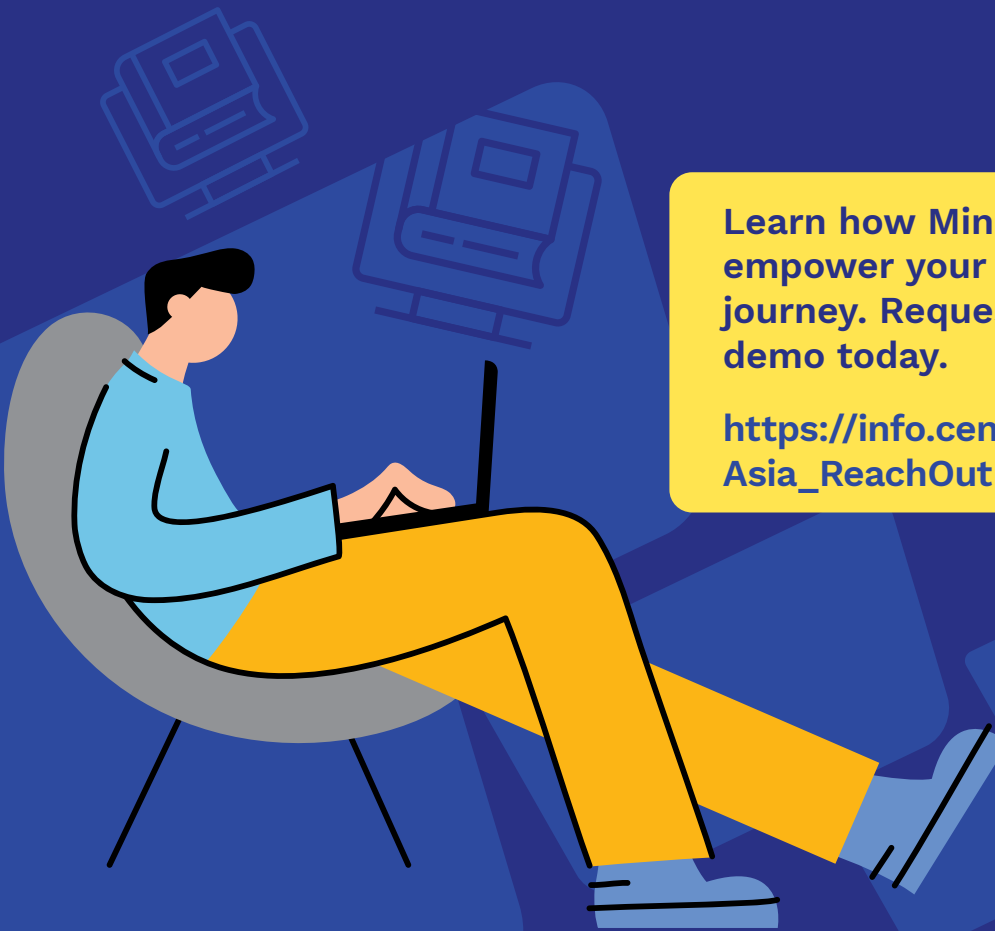
Higher Education Catalog 2023–24



<https://www.cengage.com/mindtap/>

Accelerate Student Progress with MindTap

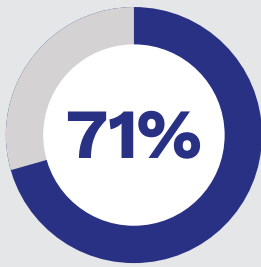
The online learning platform that powers students from memorization to mastery. Giving instructors complete control of their courses – to provide engaging content, challenge every individual and build student confidence.

An illustration of a person with dark hair, wearing a light blue long-sleeved shirt and yellow pants, sitting in a grey armchair and using a laptop. The background is dark blue with faint, stylized outlines of computer monitors and books. A small potted plant with green leaves and a red and orange striped pot is in the bottom right corner. A black mouse cursor arrow points towards the bottom right of the yellow box.

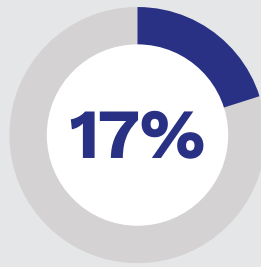
Learn how MindTap can empower your teaching journey. Request for a demo today.

https://info.cengage.com/Asia_ReachOut

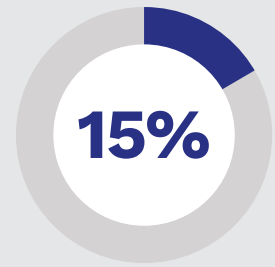
Student Reviews



Were more motivated to learn with MindTap



Increase in homework scores with MindTap



Increase in GPA with MindTap

Better Comprehension, Higher Grades

Students achieve good grades when they comprehend key concepts through a learning experience that combines visual, verbal auditory, written and active instruction to foster meaningful learning.

Build Confidence & Aim Higher

Personalized course content into learning paths can help students build connected learning experiences that are engaging.

Engaged Learners Succeed

Students who use online learning platforms regularly are more inclined to attend classes and complete their assignments on the go through their devices.

LMS Integration

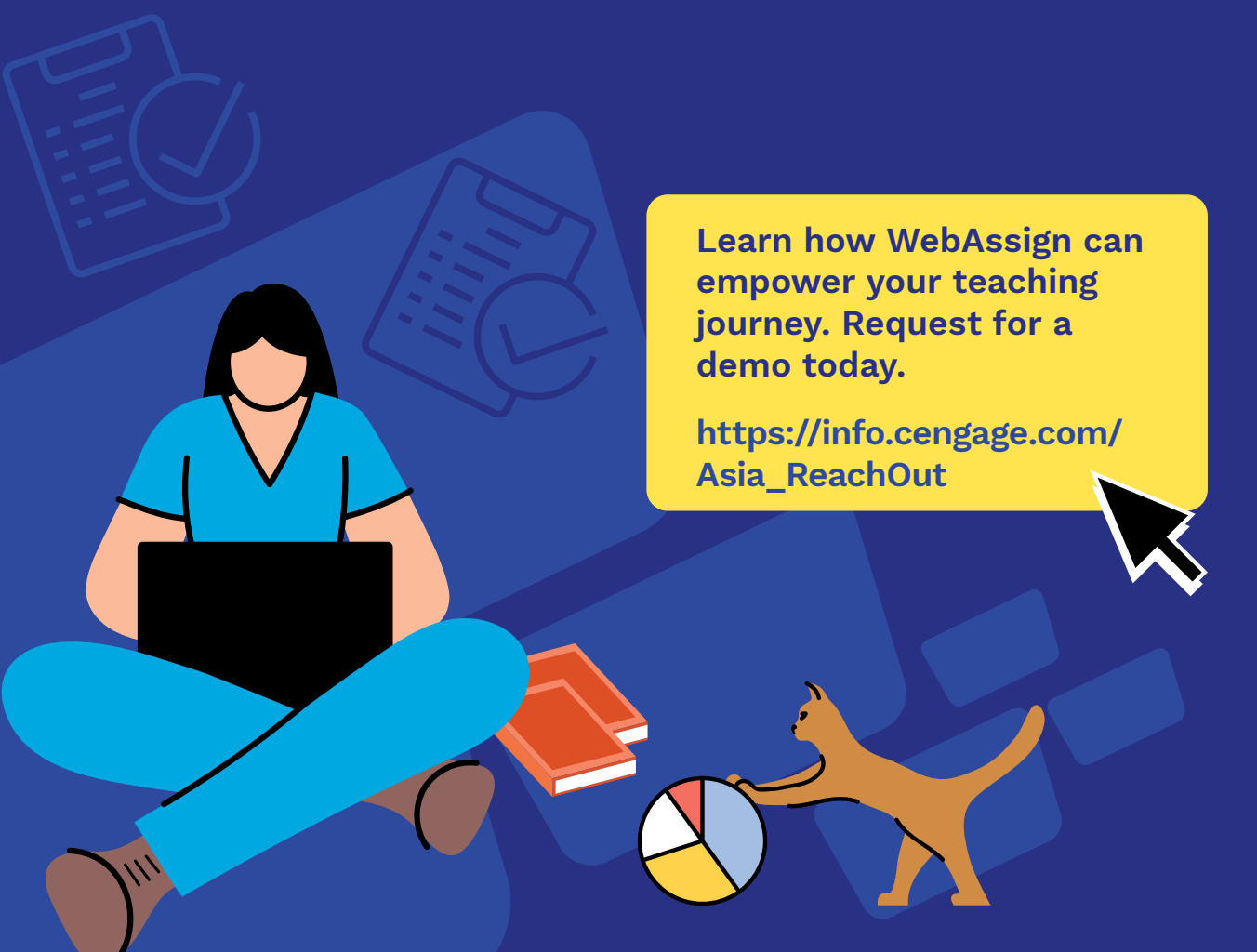
Enhanced features help manage every aspect of your class in one place, from practice and graded assignments to quizzes and tests.



<https://webassign.com/>

Create the Path to Student Success

Built by educators, WebAssign provides instructors with the tools needed to empower confident, self-sufficient learners. Students get quality content in an affordable solution that is deeply flexible.

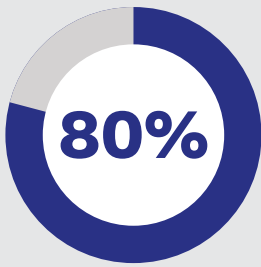
An illustration of a student with long black hair, wearing a blue shirt and blue pants, sitting cross-legged and using a black laptop. To the right of the student is a stack of three orange books. In front of the books is a small orange cat standing on its hind legs, reaching out with its front paws towards a pie chart. The pie chart has four segments: white, red, blue, and yellow. In the background, there are faint, larger versions of the student and the cat, along with some abstract shapes.

Learn how WebAssign can empower your teaching journey. Request for a demo today.

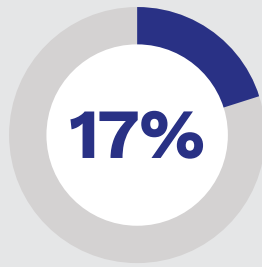
https://info.cengage.com/Asia_ReachOut

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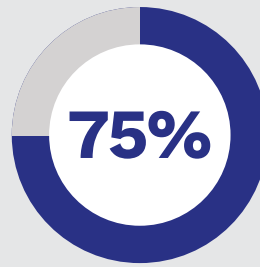
Student Reviews



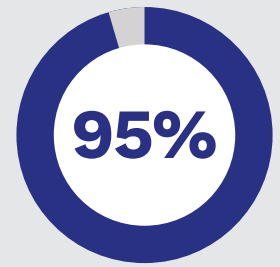
**Understood
key concepts
better with
WebAssign**



**Increase in
exam scores
with WebAssign**



**Participated
in class more
with WebAssign**



**Found
WebAssign to be
easy to set up**

Flexibility at Every Step

Customize the learning experience to meet any teaching style and encourage your students to develop problem-solving and critical-thinking skills.

Right Content, Right Time

Quality content built by former educators and subject matter experts are designed to match the textbook author's pedagogical approach and align with your teaching goals.

LMS Integration

Enhanced features help manage every aspect of your class in one place, from practice and graded assignments to quizzes and tests.




<https://www.cengage.com/owlv2/>

Mastery, Not Memorization

Move beyond memorization of Chemistry concepts to a higher level of thinking with OWLv2

Created by chemists who are teachers, OWLv2 is a powerful online learning system for chemistry with a unique Mastery Learning approach. Enabling students to practice at their own pace, receive meaningful feedback and access learning resources to help them master chemistry.

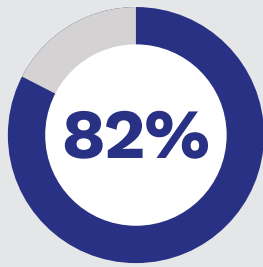
An illustration of a person with dark hair, wearing a green long-sleeved shirt and orange pants, sitting at a blue desk and working on a black laptop. To the right of the laptop is a small potted plant with green leaves. The background is dark blue with faint, light blue outlines of chemistry glassware (flasks, beakers) and a white virus-like particle icon.

Learn how OWLv2 can empower your teaching journey. Request for a demo today.

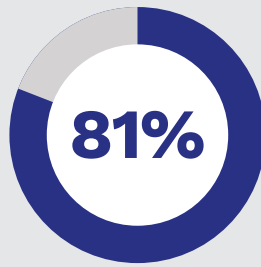
https://info.cengage.com/Asia_ReachOut

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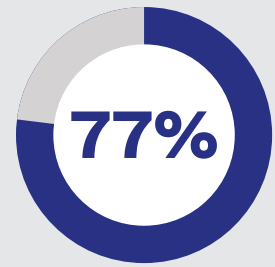
Student Reviews



Felt challenged by OWLv2 and learnt materials better



Progressed on with the help of OWLv2 resources and feedback



Understood their mistakes and were able to learn from them with OWLv2

Support Student Success

Designed to boost your students' understanding at their own pace. Mistakes can be identified through detailed feedback with fully worked-out solutions, while multiple attempts allow students to learn from their mistakes.

Tools for Every Type of Learner

Five types of multimedia activities help students comprehend tough concepts: Tutorials, Simulations, Visualizations, Interactive Examples and Exercises.

Access Analytics in Real Time

Track progress and know where students stand in class with gradebook and analytics reports.

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Special price requests for class adoption are subject to approval. Please contact your Cengage Learning Consultant for details.

Information contained in this catalog is correct at the time of printing.

Prices are subject to change without prior notice.

ASTRONOMY

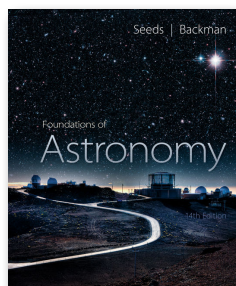
INTRODUCTORY ASTRONOMY

FOUNDATIONS OF ASTRONOMY, 14E

Michael A. Seeds, Franklin and Marshall College; Dana Backman

© 2019, 688pp, Paperback, 9781337399920

WebAssign eBook



Fascinating, engaging and extremely visual, **FOUNDATIONS OF ASTRONOMY**, 14th Edition, is renowned for its current coverage, reader-friendly presentation and detailed--yet clear--explanations. The authors' goals are to help you use

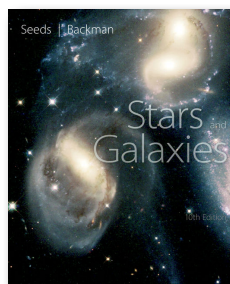
Astronomy to understand science, and use science to answer two fundamental questions: What are we? And how do we know? Available with WebAssign, the powerful digital solution that enriches the teaching and learning experience. Complete with practice opportunities, a wealth of supplemental resources and immediate feedback, you'll be set up to succeed.

STARS AND GALAXIES, 10E

Michael A. Seeds, Franklin and Marshall College

© 2019, 496pp, Paperback, 9781337399944

WebAssign eBook



Fascinating, engaging and extremely visual, **STARS AND GALAXIES**, 10th Edition, is renowned for its current coverage, reader-friendly presentation and detailed--yet clear--explanations. The authors' goals are to help you use

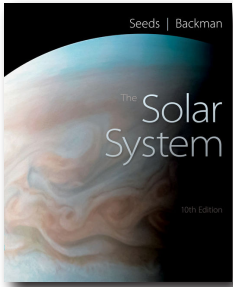
Astronomy to understand science, and use science to answer two fundamental questions: What are we? And how do we know? Available with WebAssign, the powerful digital solution that enriches the teaching and learning experience. It includes Virtual Astronomy Labs 3.0--a set of 20 interactive activities that combine analysis of real astronomical data with robust simulations--providing a true online laboratory experience for your Introductory Astronomy course.

THE SOLAR SYSTEM, 10E

Michael A. Seeds, Franklin and Marshall College

© 2019, 464pp, Paperback, 9781337399937

WebAssign eBook



Fascinating, engaging and extremely visual, THE SOLAR SYSTEM, 10th Edition, is renowned for its current coverage, reader-friendly presentation and detailed--yet clear--explanations. The authors' goals are to help you use Astronomy to understand

science, and use science to answer two fundamental questions: What are we? And how do we know? Available with WebAssign, the powerful digital solution that enriches the teaching and learning experience. It includes Virtual Astronomy Labs 3.0--a set of 20 interactive activities that combine analysis of real astronomical data with robust simulations--providing a true online laboratory experience for your Introductory Astronomy course.

HORIZONS: EXPLORING THE UNIVERSE, 14E

Michael A. Seeds, Franklin and Marshall College; Dana Backman

© 2018, 512pp, Paperback, 9781305960961

WebAssign eBook



Focusing on two central questions -- "What are we?" and "How Do We Know?" -- HORIZONS: EXPLORING THE UNIVERSE, 14th Edition, helps you understand our place in the universe and how scientists work. Chapter-opening "Guideposts" and a conversational writing style make the content accessible and help you acquire an understanding of the universe (rather than just memorize basic facts); and online resources let you study where and when you want, to best meet your individual learning style.

AVIATION

AVIATION

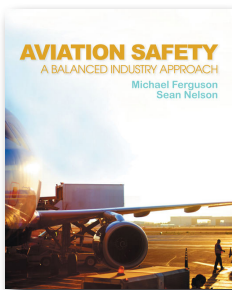
AVIATION SAFETY

A Balanced Industry Approach

Michael Ferguson; Sean Nelson

© 2014, 432pp, Hardback, 9781435488236

eBook



AVIATION SAFETY: A BALANCED INDUSTRY APPROACH focuses on various aspects of safety pertinent to the aviation industry. Featuring issues on contemporary aviation safety, flight safety programs, regulatory organizations, ground

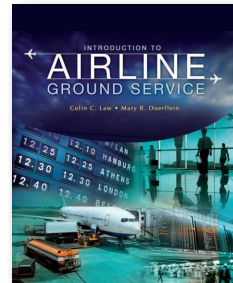
operations safety, gap analysis, ethics, and safety management systems, the book provides a theoretical background to safety issues, while making a significant connection to how the information can be directly applied to the aviation industry.

INTRODUCTION TO AIRLINE GROUND SERVICE

Colin Law, Prince of Songkla University, Phuket, Thailand;
Mary Doerflein, Prince of Songkla University, Phuket, Thailand

© 2014, Paperback, 9789814455978

AsiaTitle



Air transportation plays a vital role in a country's economy by enhancing the efficiency and effectiveness of both business and leisure travel. Introduction to Airline Ground Service is written for airline executives, university lecturers and undergraduate students who

have the goal of fully preparing to take on the important role of a ground service agent (GSA) in the airline industry. Anyone working in passenger, aircraft, airport, cargo, or baggage operations as well as general communications at an airport can benefit from this book by understanding the typical landside and airside jobs held by the various GSAs. While the book primarily focuses on the passenger aspect of ground service, it does not ignore positions related to baggage, cargo, food, and other supporting positions. How GSAs interact with the passengers at the different points of their airport experience as well as how GSAs work with each other across airline boundaries are both extensively explored. The book is more than a manual or handbook as it includes authentic dialogues and cases from the authors' extensive professional management and traveling experience. By following the route a typical traveler takes through an airport, Introduction to Airline Ground Service covers both the intricate little-known details and essential tasks the various GSAs accomplish in the course of a "normal" workday in an industry that may witness 100,000 or more people traveling through a busy airport per day, and is laden with numerous "non-normal" occurrences. This book uses such first-hand occurrences and situations encountered by the authors to encourage and motivate students to pursue an exciting career in this profession.

BIOLOGY

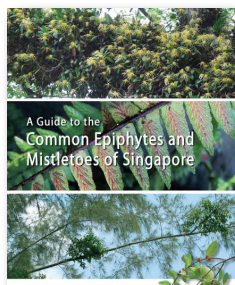
ECOLOGY

A GUIDE TO THE COMMON EPIPHYTES AND MISTLETOES OF SINGAPORE

Jean W. H. Yong; James Wang Wei; Joanne Y. T. Khew; Sheue Chiou Rong

© 2015, Paperback, 9789814609777

AsiaTitle



This book is the first to profile the unique epiphytic plant communities found in Singapore. The canopies of tropical trees are often festooned with luxuriant masses of delicate ferns, orchids and mistletoes; these veritable aerial

gardens are one of the most biodiverse habitats on the planet. Yet, despite their prevalence in tropical urban landscapes, many of these fascinating aerial plants remain unappreciated and misunderstood. The first section of this book provides a concise scientific introduction to the biology of epiphytes and mistletoes, including their taxonomy, life-cycles, adaptive strategies and interactions with their hosts and arboreal fauna. Biology students will appreciate the clear and systematic treatise of the natural history of these two groups of aerial plants, while horticulturalists will benefit from the balanced discussion on suitable management approaches for these plants. The second section serves as a field guide for identifying all of the common epiphytes and mistletoes found in Singapore. Copious illustrations of both vegetative and fertile characters are provided to enable nature lovers and plant hobbyists to confidently identify all the common species, including epiphytic ferns, orchids, hoyas, dischidias, rubiaceae ant-plants and mistletoes. We hope that landscape architects and private gardeners will also find in this section plant selection ideas for more sustainable greening

initiatives, and be inspired to further explore the substantial aesthetic and conservation values of these charming plants.

ENVIRONMENTAL SCIENCE

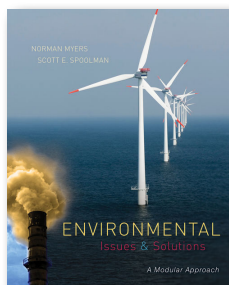
ENVIRONMENTAL ISSUES AND SOLUTIONS

A Modular Approach

Norman Myers; Scott Spoolman

© 2014, 512pp, Paperback, 9780538735605

MindTap eBook



Focused on and organized around environmental issues, this innovative new book helps you critically evaluate possible solutions to the environmental problems we now face. The authors outline specific environmental issues and provide the scientific

background to enable you to understand each issue. In order to find and apply solutions to these problems, they help you see that the problems are not insurmountable and that something can be done to achieve a sustainable future. The modular chapters provide full descriptions of each of the major environmental problems with real stories about what people are doing to tackle the resulting challenges. Available with InfoTrac® Student Collections <http://cengage.com/infotrac>.

GENETICS

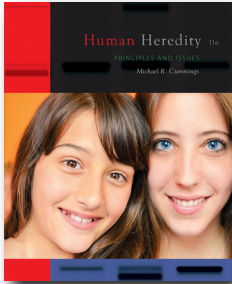
HUMAN HEREDITY, 11E

Principles and Issues

Michael Cummings, Illinois Institute of Technology

© 2016, 496pp, Paperback, 9781305251052

MindTap eBook



HUMAN HEREDITY presents the concepts of human genetics in clear, concise language and provides relevant examples that you can apply to yourself, your family, and your work environment. Author Michael Cummings explains the origin, nature,

and amount of genetic diversity present in the human population and how that diversity has been shaped by natural selection. The artwork and accompanying media visually support the material by teaching rather than merely illustrating the ideas under discussion. Examining the social, cultural, and ethical implications associated with the use of genetic technology, Cummings prepares you to become a well-informed consumer of genetic-based health care services or provider of health care services. Available with InfoTrac® Student Collections <http://cengage.com/infotrac>.

HUMAN ANATOMY & PHYSIOLOGY

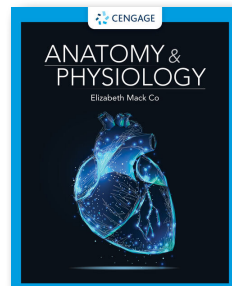
NEW

ANATOMY & PHYSIOLOGY

Elizabeth Co, Boston University

© 2023, 1408pp, Hardback, 9780357802212

MindTap



Students will appreciate the voice and approach of the text (like the author is speaking with them during office hours), but most importantly the focus on metacognition and learning science will help them improve as students, both

within the A&P classroom and beyond. Track your scores and stay motivated to achieve your goals. MindTap helps you identify areas in need of improvement and where you need to focus your efforts. Highlight key text, add notes and create custom flashcards. When it's time to study, you can easily gather everything you've flagged or noted into an organized, effective study guide.

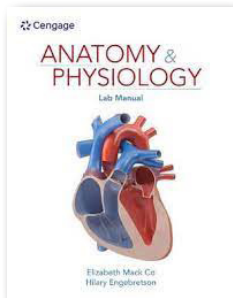
NEW

ANATOMY & PHYSIOLOGY LAB MANUAL

Elizabeth Co, Boston University; Hilary Engebretson, Whatcom Community College

© 2024, 700pp, Spiral, 9780357909164

MindTap



Co/Engebretson's ANATOMY & PHYSIOLOGY LAB MANUAL, 1st Edition, will capture your attention with its easy-to-use format and stunning visuals. In this lab manual, you'll see diverse images, statistics, and information that accurately depict our

diverse population. You'll also find a conversational tone, learning tips and approachable activities that all make A&P as easy to learn as possible. The core activities have been chosen by instructors specifically for students, and the activities are aligned with the Human Anatomy and Physiology Society (HAPS) learning outcomes and with clinical situations so that you are prepared for your future careers.

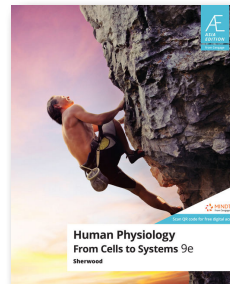
AE HUMAN PHYSIOLOGY: FROM CELLS TO SYSTEMS, 9E

Lauralee Sherwood, West Virginia University

© 2016, 952pp, Paperback, 9789814846431

MindTap

AsiaTitle



Organized around the central theme of homeostasis, HUMAN PHYSIOLOGY, 9e, helps students appreciate the integrated functioning of the human body. Author Lauralee Sherwood uses clear, straightforward language, analogies, and

frequent references to everyday experiences to help students learn and relate to physiology concepts. The vibrant art program and empowering digital resources—including robust 3D animations and rich homework problems—enable students to visualize important concepts and processes. By focusing on core principles and sharing her enthusiasm for the subject matter, Sherwood helps students develop a solid foundation for future courses and careers in the health professions.

HUMAN PHYSIOLOGY, 9E

From Cells to Systems

Lauralee Sherwood, West Virginia University

© 2016, 912pp, Hardback, 9781285866932

MindTap eBook



Organized around the central theme of homeostasis—how the body meets changing demands while maintaining the internal constancy necessary for all cells and organs to function—HUMAN PHYSIOLOGY helps you appreciate the

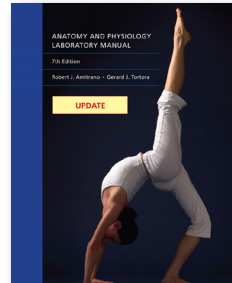
integrated functioning of the human body. Author Lauralee Sherwood uses clear, straightforward language, analogies, and frequent references to everyday experiences to help you learn and relate to physiology concepts. The vibrant art program and exciting digital resources—including robust 3D animations and rich homework problems—enable you to visualize important concepts and processes. By focusing on the core principles and sharing her enthusiasm for the subject matter, Sherwood helps you develop a solid foundation for future courses and careers in the health professions.

UPDATE: ANATOMY & PHYSIOLOGY LABORATORY MANUAL, 8E

Robert Amitrano, Bergen Community College; Gerard Tortora, Bergen Community College

© 2013, 688pp, Spiral, 9781133365488

eBook



Don't go to the lab without it! With coverage of every structure and function of the human body, the ANATOMY AND PHYSIOLOGY LABORATORY MANUAL, provides you with the tools you need to succeed in this course. Lists of terms, diagrams of lab equipment,

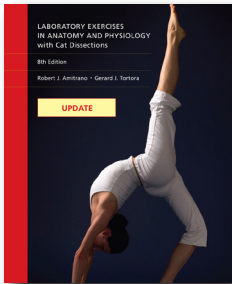
lab report questions, and report templates found in the manual help you easily and successfully complete your lab experiments and write-up your lab reports.

UPDATE: LABORATORY EXERCISES IN ANATOMY AND PHYSIOLOGY WITH CAT DISSECTIONS, 8E

Robert Amatrano, Bergen Community College; Gerard Tortora,
Bergen Community College

© 2013, 702pp, Spiral, 9781133365471

eBook



If you're taking Anatomy and Physiology, this **LABORATORY EXERCISES IN ANATOMY AND PHYSIOLOGY WITH CAT DISSECTIONS** lab manual is the perfect partner to help you examine every structure and function of the human body. With

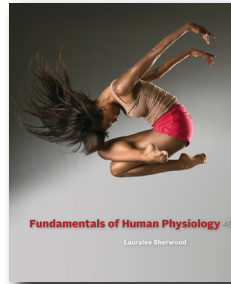
lots of vivid illustrations, this useful manual walks you through the dissection of the white rat, includes numerous physiological experiments, an emphasis on the study of anatomy through histology, lists of appropriate terms accompanying art, phonetic pronunciation and derivation of terms, lab report questions, and report templates. The manual has a greatly improved art program with detailed anatomical drawings, diagrams, photographs, photomicrographs, and scanning electron micrographs that help you see how the structures of the body actually look. For those courses that cover cat dissection, exercises are included.

FUNDAMENTALS OF HUMAN PHYSIOLOGY, 4E

Lauralee Sherwood, West Virginia University

© 2012, 720pp, Paperback, 9780840062253

MindTap eBook



FUNDAMENTALS OF HUMAN PHYSIOLOGY provides clear, current, concise, clinically oriented coverage of physiology. It focuses on the mechanisms of body function from cells to systems and is organized around the central theme of homeostasis -- how the

body meets changing demands while maintaining the internal constancy necessary for all cells and organs to function. Many analogies and frequent references to everyday experiences help you relate to the physiology concepts presented. Offering helpful art and pedagogical features, Sherwood promotes understanding of the basic principles and concepts of physiology rather than memorization of details and provides you with a foundation for a future career in the health professions.

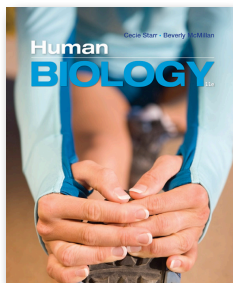
HUMAN BIOLOGY

HUMAN BIOLOGY, 11E

Cecie Starr, N/A; Beverly McMillan, University of California

© 2016, 608pp, Paperback, 9781305112100

MindTap eBook



Clear, engaging, and visually compelling, Starr and McMillan's HUMAN BIOLOGY teaches you the core concepts of human biology and prepares you to make well-informed decisions in your life. Each chapter opens with an interesting application that

highlights the relevance of biology and motivates the study of the topic. You then learn basic concepts which help you think critically about these issues. Useful learning aids, such as section-ending "Take-Home Messages" and a running glossary help you understand key concepts. New "Focus on Human Impact" boxes and chapter-ending "Your Future" and "Explore on Your Own" sections demonstrate the impact and personal relevance of the content on your life. Available with InfoTrac® Student Collections <http://cengage.com/infotrac>.

INTRODUCTORY BIOLOGY

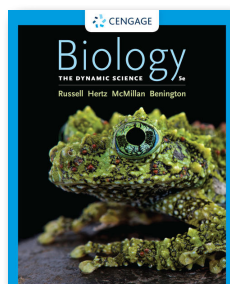
BIOLOGY, 5E

The Dynamic Science

Peter J. Russell, Reed College; Paul E. Hertz, Barnard College; Beverly McMillan, University of California; Joel H. Benington, St. Bonaventure University

© 2021, 1536pp, Hardback, 9780357134894

MindTap eBook



This updated Fifth Edition of BIOLOGY: THE DYNAMIC SCIENCE is a readable and understandable foundation for introductory biology students. Clarity of presentation, thoughtful organization, a logical and seamless flow of topics within chapters, and

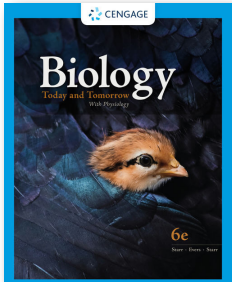
carefully designed illustrations are hallmarks of this text. The accompanying MindTap for Biology includes multimedia instruction, assessments, videos, personalized study tools and more. With this easy-to-read, engaging text, you'll leave your introductory biology course armed with intellectual skills that will enable you to evaluate future knowledge with a critical eye.

BIOLOGY TODAY AND TOMORROW WITH PHYSIOLOGY, 6E

Cecie Starr, N/A; Christine Evers, N/A; Lisa Starr, N/A

© 2021, 640pp, Paperback, 9780357127544

MindTap eBook



Succeed in your biology course with this updated Sixth Edition of BIOLOGY TODAY AND TOMORROW WITH PHYSIOLOGY. Packed with real-world applications, the book offers chunked content in a clear, straightforward writing style, beautiful art and a variety of

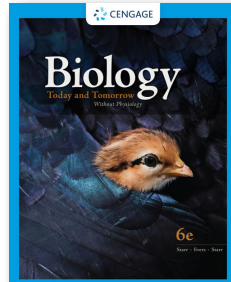
in-text learning tools. The accompanying MindTap for Biology includes multimedia instruction, assessments, videos, personalized study tools and more. With this easy-to-read, engaging text, you'll learn about biology from the perspective of issues relevant to your daily life.

BIOLOGY TODAY AND TOMORROW WITHOUT PHYSIOLOGY, 6E

Cecie Starr, N/A; Christine Evers, N/A; Lisa Starr, N/A

© 2021, 416pp, Paperback, 9780357127551

MindTap eBook



Succeed in your biology course with this updated Sixth Edition of BIOLOGY TODAY AND TOMORROW WITHOUT PHYSIOLOGY. Packed with real-world applications, the book offers chunked content in a clear, straightforward writing style, beautiful art and a variety of

in-text learning tools. The accompanying MindTap for Biology includes multimedia instruction, assessments, videos, personalized study tools and more. With this easy-to-read, engaging text, you'll learn about biology from the perspective of issues relevant to your daily life.

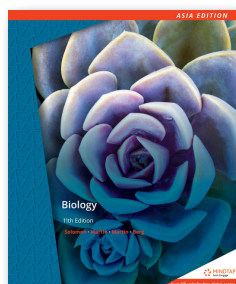
AE BIOLOGY, 11E

Eldra Solomon, University of South Florida; Charles Martin, Rutgers University; Diana W. Martin, Rutgers University; Linda R. Berg, Formerly, University of Maryland and St. Petersburg College

© 2019, 1488pp, Paperback, 9789814834384

MindTap

AsiaTitle



Solomon, Martin, Martin and Berg's BIOLOGY--often described as the best majors' text for learning Biology--is also a complete teaching program. The integrated, inquiry-based learning system guides students through every chapter, starting with key

concepts at the beginning of each chapter and learning objectives for each section. End-of-section Checkpoint questions encourage students to review key points before moving on. A chapter summary further reinforces learning objectives, followed by an opportunity for students to test their understanding. The eleventh edition offers expanded integration of the text's five guiding themes of Biology--the evolution of life, the transmission of biological information, the flow of energy through living systems, interactions among biological systems and the inter-relationship of structure and function. Available with MindTap Biology, the platform that gives instructors complete control of their course and powers students from memorization to mastery.

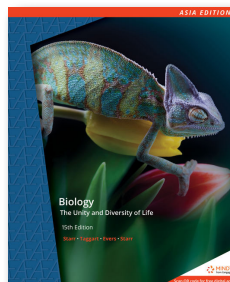
AE BIOLOGY: THE UNITY AND DIVERSITY OF LIFE, 15E

Cecie Starr, N/A; Ralph Taggart, Michigan State University; Christine Evers, N/A; Lisa Starr, N/A

© 2019, 992pp, Paperback, 9789814834209

MindTap

AsiaTitle



BIOLOGY: THE UNITY AND DIVERSITY OF LIFE, 15th Edition, reveals the biological world in wondrous detail. Packed with eye-catching photos and images, this best-selling text engages students with applications and activities

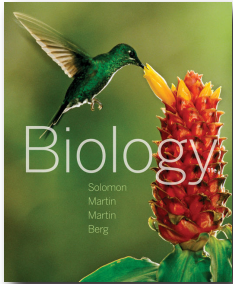
that encourage critical thinking. Chapter-opening Core Concepts help students focus on the topics that matter most in every chapter. Each section within a chapter begins with clear Learning Objectives and section-ending Take Home Messages reinforce these key concepts. Links to Earlier Concepts help students make important connections and appreciate how living systems are interconnected and interacting. Available with MindTap for Biology, the platform that gives instructors complete control of their course and powers students from memorization to mastery.

BIOLOGY, 11E

Eldra Solomon, University of South Florida; Charles Martin, Rutgers University; Diana W. Martin, Rutgers University; Linda R. Berg, Formerly, University of Maryland and St. Petersburg College

© 2019, 1408pp, Hardback, 9781337392938

MindTap eBook



So you plan on majoring in Biology. Why wouldn't you want to use what's been described as the best majors' text for learning the subject? That's what you get with Solomon, Martin, Martin and Berg's BIOLOGY. Working like a built-in study guide, the

integrated learning system guides you through the material, starting with key concepts for each chapter and learning objectives for each section. Check your grasp of key points before moving on by answering Checkpoint questions at the end of each section. Reinforce your understanding of the learning objectives with chapter summaries, followed by the opportunity to test your new knowledge. To further help you "get it," the eleventh edition uses themes--among others, the evolution of life and the inter-relationship of structure and function--as well as interactive online and multimedia resources. Ready to go for it? Then go for BIOLOGY.

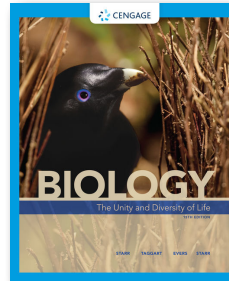
BIOLOGY, 15E

The Unity and Diversity of Life

Cecie Starr, N/A; Ralph Taggart, Michigan State University; Christine Evers, N/A; Lisa Starr, N/A

© 2019, 992pp, Hardback, 9781337408332

MindTap eBook



BIOLOGY: THE UNITY AND DIVERSITY OF LIFE, 15th Edition, reveals the biological world in wondrous detail. Its multitude of eye-catching photos and images will keep you fascinated, while helpful text features help you master the material. Chapter-opening

Core Concepts enable you to focus on the topics that matter most in every chapter. Each section within a chapter begins with clear Learning Objectives, and section-ending Take Home Messages reinforce these key concepts. Other invaluable features include a running glossary, case studies, self-test questions and data-analysis problems. Available with MindTap Biology, the online program that powers you from memorization to mastery. BIOLOGY: THE UNITY AND DIVERSITY OF LIFE puts the living world of biology under a microscope for you to analyze, understand and enjoy!

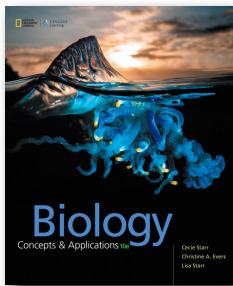
BIOLOGY, 10E

Concepts and Applications

Cecie Starr, N/A; Christine Evers, N/A; Lisa Starr, N/A

© 2018, 880pp, Paperback, 9781305967335

MindTap eBook



Should there be warning labels on fast foods? Should employers be allowed to require drug testing? This introductory text teaches you basic concepts of biology in context of critical issues. The Tenth Edition of **BIOLOGY: CONCEPTS AND APPLICATIONS** was

developed in partnership with the National Geographic Society, known for its eye-opening photography and legacy of inspiring people. The result is a text that combines clear explanations with unparalleled visuals to introduce the process of science and core concepts of biology. “Engage” boxes help you see chapter concepts being put to work in the real world; “Learning Objectives” help focus your studying; “Applications” bring chapter content to real life; “Figure It Out” questions help you check understanding; and “Data Analysis” activities strengthen your analytical skills. This book is widely praised for clear and engaging writing, exceptional art, and terrific support from media that all work together to help you “get” biology.

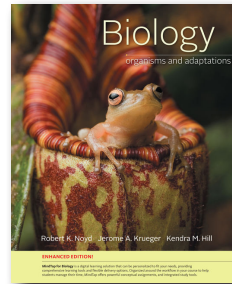
BIOLOGY

Organisms and Adaptations, Media Update, Enhanced Edition

Robert K. Noyd; Jerome A. Krueger; Kendra M. Hill

© 2017, 736pp, Paperback, 9781305960510

MindTap eBook



The Enhanced Media Edition of **BIOLOGY: ORGANISMS AND ADAPTATIONS** captures your passion and excitement for the living world! The authors build on the connection we all have to nature to inspire you to engage with biology in the

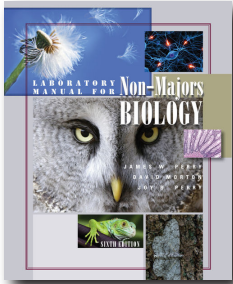
same way you do when visiting zoos, aquariums, or just taking a walk in the park. Each chapter uses fascinating organisms such as blue whales, salamanders, and redwood trees to present, organize, and integrate biological concepts. Merging the excitement and passion for living things with an understanding of biological concepts, this highly accessible and practical approach to the study of biology develops scientific literacy and connective thinking. The Enhanced Media Edition is a fully integrated package of print and media with comprehensive learning tools.

LABORATORY MANUAL FOR NON-MAJORS BIOLOGY, 6E

James W. Perry, *University of Wisconsin - Fox Valley*; David Morton, *Frostburg State University*; Joy B. Perry, *University of Wisconsin - Fox Valley*

© 2013, 752pp, Paperback, 9780840053800

eBook



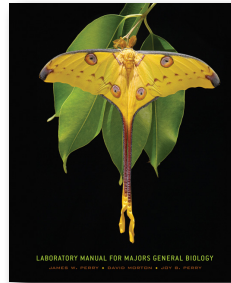
Succeed in biology with LABORATORY MANUAL FOR NON-MAJORS BIOLOGY! Through hands-on lab experience, this biology laboratory manual reinforces biology concepts to help you get a better grade. Exercises, pre-lab questions, and post-lab

questions enhance your understanding and make lab assignments easy to complete and easy to comprehend.

LAB MANUAL FOR MAJORS GENERAL BIOLOGY

James W. Perry, *University of Wisconsin - Fox Valley*; David Morton, *Frostburg State University*; Joy B. Perry, *University of Wisconsin - Fox Valley*

© 2008, 720pp, Spiral, 9780495115052



Featuring a clear format and a wealth of illustrations, this lab manual helps biology majors learn science by doing it. This manual includes numerous inquiry-based experiments, relevant activities, and supporting questions that assess recall,

understanding, and application. The exercises support any biology text used in a majors course.

MARINE BIOLOGY

INTRODUCTION TO MARINE BIOLOGY, 4E

*George Karleskint, St. Louis Community College, Meramec;
Richard Turner, Florida Institute of Technology; James Small,
Rollins College, Winter Park*

© 2013, Paperback, 9780357670965

MindTap eBook



Immerse yourself in **INTRODUCTION TO MARINE BIOLOGY** and quickly learn the content of the course. While taking an ecological approach, this biology text provides succinct coverage of the content while the photos and art work clearly illustrates key concepts. Studying is made easy with phonetic pronunciations, a running glossary of key terms, end-of-chapter questions, and suggestions for further reading at the end of each chapter.

LAB MANUAL FOR KARLESKINT/ TURNER/SMALL'S INTRODUCTION TO MARINE BIOLOGY, 4TH, 4E

*George Karleskint, St. Louis Community College, Meramec;
Richard Turner, Florida Institute of Technology; James Small,
Rollins College, Winter Park*

© 2013, 176pp, Paperback, 9781133589808



New to this edition, this lab manual has been specially designed to help students learn more about marine life and their habits.

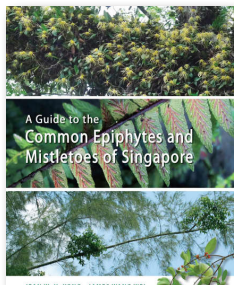
PLANT BIOLOGY / BOTANY

A GUIDE TO THE COMMON EPIPHYTES AND MISTLETOES OF SINGAPORE

Jean W. H. Yong; James Wang Wei; Joanne Y. T. Khew; Sheue Chiou Rong

© 2015, Paperback, 9789814609777

AsiaTitle



This book is the first to profile the unique epiphytic plant communities found in Singapore. The canopies of tropical trees are often festooned with luxuriant masses of delicate ferns, orchids and mistletoes; these veritable aerial gardens are

one of the most biodiverse habitats on the planet. Yet, despite their prevalence in tropical urban landscapes, many of these fascinating aerial plants remain unappreciated and misunderstood. The first section of this book provides a concise scientific introduction to the biology of epiphytes and mistletoes, including their taxonomy, life-cycles, adaptive strategies and interactions with their hosts and arboreal fauna. Biology students will appreciate the clear and systematic treatise of the natural history of these two groups of aerial plants, while horticulturalists will benefit from the balanced discussion on suitable management approaches for these plants. The second section serves as a field guide for identifying all of the common epiphytes and mistletoes found in Singapore. Copious illustrations of both vegetative and fertile characters are provided to enable nature lovers and plant hobbyists to confidently identify all the common species, including epiphytic ferns, orchids, hoyas, dischidias, rubiaceae ant-plants and mistletoes. We hope that landscape architects and private gardeners will also find in this section plant selection ideas for more sustainable greening initiatives, and be inspired to further explore the substantial aesthetic and conservation values of these charming plants.

STUDENT RESOURCES

LAB MANUAL FOR MAJORS GENERAL BIOLOGY

James W. Perry, *University of Wisconsin - Fox Valley*; David Morton, *Frostburg State University*; Joy B. Perry, *University of Wisconsin - Fox Valley*

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Featuring a clear format and a wealth of illustrations, this lab manual helps biology majors learn science by doing it. This manual includes numerous inquiry-based experiments, relevant activities, and supporting questions that assess recall,

understanding, and application. The exercises support any biology text used in a majors course.

CHEMISTRY

ALLIED HEALTH CHEMISTRY

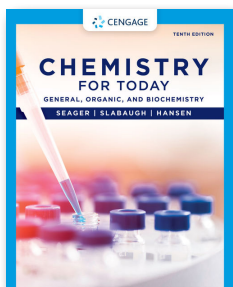
CHEMISTRY FOR TODAY, 10E

General, Organic, and Biochemistry

Spencer L. Seager, Weber State University; Michael R. Slabaugh, University of South Dakota and Weber State University; Maren S. Hansen, University of South Dakota

© 2022, 928pp, Hardback, 9780357453384

OWLv2 eBook



Known for its strong focus on allied health and integrated technology, CHEMISTRY FOR TODAY: GENERAL, ORGANIC, AND BIOCHEMISTRY, 10th Edition, helps you understand the vital connections between chemistry fundamentals and today's healthcare

professions. Thoroughly updated with step-by-step solutions, additional organic chemistry and biochemistry practice problems and photos from real-world job settings, this edition supports today's diverse learners with a wide range of applications, examples, boxed features and interactive technology tools. In addition, the text includes sample questions found on entrance exams for allied health professional programs and information on different career paths and the qualifications you'll need to pursue them. With abundant learning features, an accessible writing style and clear explanations, this engaging text makes chemistry seem less intimidating while helping you gain an appreciation for the role chemistry plays in daily life. The text also provides strong support for both problem solving and critical thinking--two essential skills necessary for classroom and career success. Available with OWLv2, the most trusted online learning solution for chemistry, the tenth edition offers answer hints and answer-specific feedback for selected questions to improve your confidence and self-awareness while helping you work to master key course concepts.

STUDY GUIDE AND STUDENT SOLUTIONS MANUAL FOR SEAGER/SLABAUGH/HANSEN'S CHEMISTRY FOR TODAY, 10E

Spencer L. Seager, Weber State University; Michael R. Slabaugh, University of South Dakota and Weber State University; Maren S. Hansen, University of South Dakota

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This guide includes a variety of study aids to help you master the course material, whatever your learning style. You'll find learning objectives, chapter outlines and summaries, definitions of major terms and figures and self-tests--featuring questions correlated to the

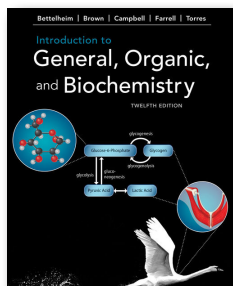
learning objectives, as well as answers so you can gauge your understanding.

INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY, 12E

Frederick A. Bettelheim, Adelphi University; William H. Brown, Beloit College; Mary K. Campbell, Mount Holyoke College; Shawn O. Farrell, Olympic Training Center

© 2020, 912pp, Hardback, 9781337571357

OWLv2 **eBook**



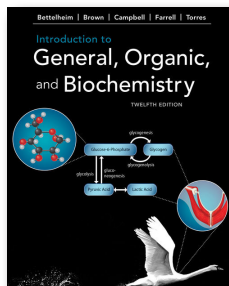
Gain a comprehensive understanding of chemistry and see how it relates to health science with **INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY**. This bestseller features dynamic art, interesting examples, coverage of the latest

issues, and a wide variety of medical and biological applications. As you explore topics such as botulin toxin as a cosmetic agent, implications for the use of antibiotics, and ultraviolet sunscreen, you will see how useful the study of chemistry is to your life. The book's built-in integration with OWLv2 (Online Web Learning) turns your chemistry study time into active experiences that build your comprehension, bring concepts to life, and help you succeed in the course.

STUDENT SOLUTIONS MANUAL FOR BETTELHEIM/BROWN/CAMPBELL/FARRELL/TORRES' INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY, 12E

Frederick Bettelheim, Adelphi University

© 2020, Paperback, 9781337571449



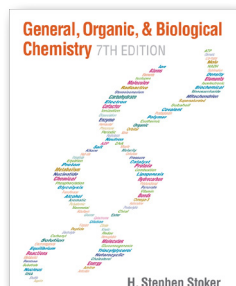
Master problem-solving and prepare for exams using the complete worked-out solutions to all in-text and odd-numbered end-of-chapter questions provided in this manual.

GENERAL, ORGANIC, AND BIOLOGICAL CHEMISTRY, 7E

H. Stephen Stoker, Weber State University

© 2016, 1232pp, Hardback, 9781285853918

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Succeed in chemistry with GENERAL, ORGANIC, AND BIOLOGICAL CHEMISTRY'S clear explanations, engaging visual support, and easy usability. Ideal for allied health majors, this Seventh Edition emphasizes the applications of chemistry

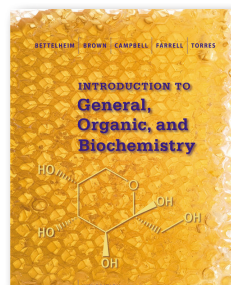
and minimizes complicated mathematics. Early chapters focus on fundamental chemical principles while later chapters build on the foundation of these principles, developing the concepts and applications central to organic and biological chemistry. Mathematics is introduced at point-of-use and only as needed.

INTRODUCTION TO GENERAL, ORGANIC AND BIOCHEMISTRY, 11E

Frederick A. Bettelheim, Adelphi University; William H. Brown, Beloit College; Mary K. Campbell, Mount Holyoke College; Shawn O. Farrell, Olympic Training Center

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OWLv2 eBook



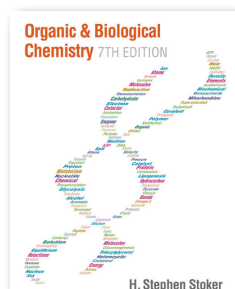
Gain a comprehensive understanding of chemistry and see how it relates to health science with INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY. This bestseller features dynamic art, interesting examples, coverage of the latest

issues, and a wide variety of medical and biological applications. As you explore topics such as botulin toxin as a cosmetic agent, implications for the use of antibiotics, the Atkins diet, and ultraviolet sunscreen, you will see how useful the study of chemistry is to so many aspects of your life. The book's built-in integration with OWLv2 (Online Web-based Learning) turns your chemistry study time into active experiences that build your comprehension and bring concepts to life.

LAB MANUAL FOR STOKER'S GENERAL, ORGANIC, AND BIOLOGICAL CHEMISTRY, 7TH, 7E

H. Stephen Stoker, Weber State University

© 2016, 448pp, Paperback, 9781305081093



Each experiment in this manual was selected to match topics in your textbook and includes an introduction, a procedure, a page of pre-lab exercises about the concepts the lab illustrates, and a report form. Some have a scenario that places the experiment

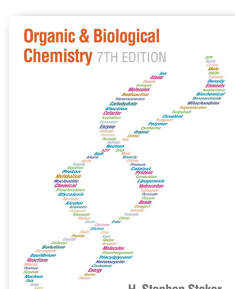
in a real-world context. In addition, each experiment has a link to a set of references and helpful online resources.

ORGANIC AND BIOLOGICAL CHEMISTRY, 7E

H. Stephen Stoker, Weber State University

© 2016, 816pp, Paperback, 9781305081079

OWLv2



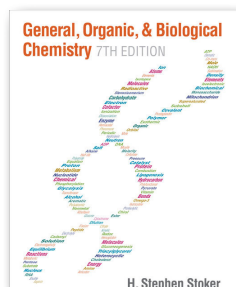
Succeed in chemistry with GENERAL, ORGANIC, AND BIOLOGICAL CHEMISTRY'S clear explanations, engaging visual support, and easy usability. Ideal for allied health majors, this Sixth Edition emphasizes the applications of chemistry

and minimizes complicated mathematics. Early chapters focus on fundamental chemical principles while later chapters build on the foundation of these principles, developing the concepts and applications central to organic and biological chemistry. Mathematics is introduced at point-of-use and only as needed.

STUDY GUIDE WITH SELECTED SOLUTIONS FOR STOKER'S GENERAL, ORGANIC, AND BIOLOGICAL CHEMISTRY, 7TH, 7E

H. Stephen Stoker, Weber State University

© 2016, 496pp, Paperback, 9781305081086



The perfect way to prepare for exams, build problem-solving skills, and get the grade you want! This useful resource reinforces skills with activities and practice problems for each chapter. After completing the end-of-chapter exercises, you can check your answers for the

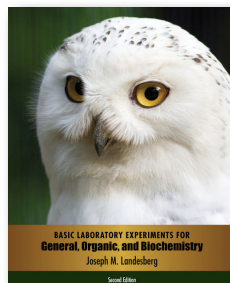
odd-numbered questions.

BASIC LABORATORY EXPERIMENTS FOR GENERAL, ORGANIC, AND BIOCHEMISTRY, 2E

Joseph M. Landesberg, Adelphi University

© 2015, 240pp, Paperback, 9781285459653

eBook



Succeed in your GOB Lab course with the easy-to-follow experiments in this streamlined and focused manual. Fourteen experiments (6 general chemistry, 4 organic chemistry, and 4 biochemistry) illustrate the concepts you must know for

your future allied health career, while pre- and post-lab questions test your ability to apply concepts.

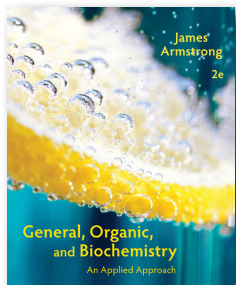
GENERAL, ORGANIC, AND BIOCHEMISTRY, 2E

An Applied Approach

James Armstrong, City College of San Francisco

© 2015, 736pp, Hardback, 9781285430232

OWLv2 eBook



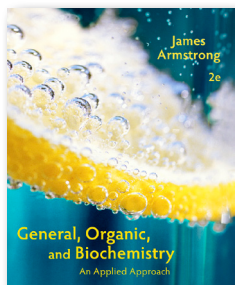
Focused, easy-to-understand, and packed with applications to medicine and health, this book is designed throughout to help you develop the problem-solving skills and understanding of health-related chemistry you'll need in your future career.

The author takes an engaging problem-solving approach, illustrating key points through worked examples and walking you through each step in the problem-solving process. In addition, the book's end-of-chapter material serves as built-in study guide to help you review for quizzes and tests.

STUDENT SOLUTIONS MANUAL FOR ARMSTRONG'S GENERAL, ORGANIC, AND BIOCHEMISTRY: AN APPLIED APPROACH, 2ND, 2E

James Armstrong, City College of San Francisco

© 2015, 448pp, Paperback, 9781285461779



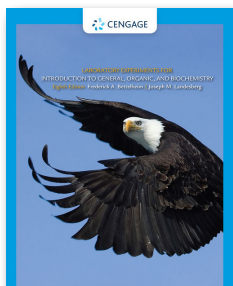
Containing worked out solutions to all odd-numbered problems in the book, this manual shows you how to approach and solve problems using the same step-by-step explanations found in your textbook examples.

LABORATORY EXPERIMENTS FOR INTRODUCTION TO GENERAL, ORGANIC AND BIOCHEMISTRY, 8E

Frederick A. Bettelheim, Adelphi University; Joseph M. Landesberg, Adelphi University

© 2013, 384pp, Paperback, 9781133106029

eBook



Three basic goals guide the development of the 48 experiments in LABORATORY EXPERIMENTS FOR GENERAL, ORGANIC AND BIOCHEMISTRY, 7th Edition: (1) the experiments illustrate the concepts learned in class; (2) the

experiments are clearly and concisely written, so you can work with minimal supervision and perform them in a 2-1/2 hour lab period; and (3) the experiments are simple demonstrations that contain a sense of discovery.

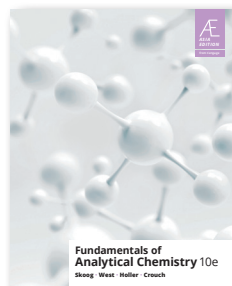
ANALYTICAL CHEMISTRY

AE FUNDAMENTALS OF ANALYTICAL CHEMISTRY, 10E

Skoog/West/Holler/Crouch

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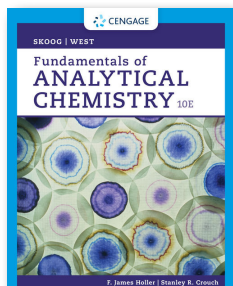


FUNDAMENTALS OF ANALYTICAL CHEMISTRY, 10E

Douglas A. Skoog, Stanford University; Donald M. West, San Jose State University; F. James Holler, University of Kentucky; Stanley R. Crouch, Michigan State University

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OWLv2 eBook



Discover the principles and practices behind analytical chemistry as you study its applications in medicine, industry and the sciences with Skoog/West/Holler/Crouch's FUNDAMENTALS OF ANALYTICAL CHEMISTRY, 10th Edition.

This award-winning author team presents the latest developments in analytical chemistry today using a reader-friendly yet systematic and thorough approach. Each chapter begins with a compelling story and stunning visuals. Dynamic photos from renowned chemistry photographer Charlie Winters capture attention while reinforcing key principles. New features highlight chemistry-related careers. You also learn how to use Excel 2019 as a problem-solving tool in analytical chemistry with new exercises, examples and a no-cost supplement by the text authors. OWLv2 online homework tool is also available to help you master the principles of analytical chemistry today.

STUDENT SOLUTIONS MANUAL FOR SKOOG/WEST/HOLLER/CROUCH'S FUNDAMENTALS OF ANALYTICAL CHEMISTRY, 9TH, 9E

Douglas A. Skoog, Stanford University; Donald M. West, San Jose State University; F. James Holler, University of Kentucky; Stanley R. Crouch, Michigan State University

© 2014, 256pp, Paperback, 9780495558347

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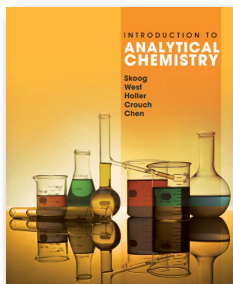
Master problem-solving using this manual's worked-out solutions for all the starred problems in the text.

INTRODUCTION TO ANALYTICAL CHEMISTRY

Douglas A. Skoog, Stanford University; Donald M. West, San Jose State University; F. James Holler, University of Kentucky; Stanley R. Crouch, Michigan State University

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AsiaTitle



Introduction to Analytical Chemistry was written with the main aim of providing a strong background in those chemical principles that are important in analytical chemistry. The text covers both fundamental and practical aspects of

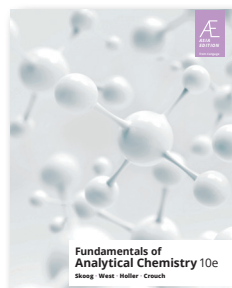
chemical analysis. The book is organized into five sections; tools of analytical chemistry, principles and applications of chemical equilibrium, electrochemical methods, spectroscopic methods, and separation methods. Molecular models are also used liberally in most chapters to stimulate interest in the beauty of molecular structures and to reinforce structural concepts presented in general chemistry and upper-level courses. The primary audience of this text is non-chemistry majors taking a one-semester course in analytical chemistry.

AE FUNDAMENTALS OF ANALYTICAL CHEMISTRY, 10E

Skoog/West/Holler/Crouch

© 2022, 1072pp, Paperback, 9780357450390

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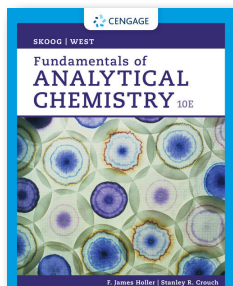


FUNDAMENTALS OF ANALYTICAL CHEMISTRY, 10E

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This award-winning author team presents the latest developments in analytical chemistry today using a reader-friendly yet systematic and thorough approach. Each chapter begins with a compelling story and stunning visuals. Dynamic photos from renowned chemistry photographer Charlie Winters capture attention while reinforcing key principles. New features highlight chemistry-related careers. You also learn how to use Excel 2019 as a problem-solving tool in analytical chemistry with new exercises, examples and a no-cost supplement by the text authors. OWLv2 online homework tool is also available to help you master the principles of analytical chemistry today.

BIOCHEMISTRY

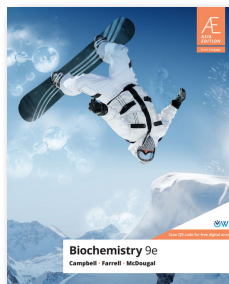
AE BIOCHEMISTRY, 9E

Mary K. Campbell, Mount Holyoke College; Shawn O. Farrell, Olympic Training Center; Owen McDougal Dr., Boise State University

© 2018, 872pp, Paperback, 9789814846448

OWLv2

AsiaTitle



Introduce your students to the latest developments in biotechnology and genomics with this bestselling text for the one-term course. Known for its logical organization, appropriate depth of coverage, and vibrant

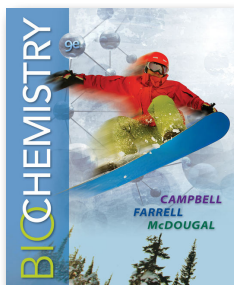
illustrations, BIOCHEMISTRY, 9th Edition, helps students synthesize the glut of information that has flooded the field since the decoding of the human genome, while showing them how biochemistry principles connect to their everyday lives. It incorporates current developments in Alzheimer's research, RNA drug therapy, gene editing with CRISPR-Cas9, and revised coverage of topics such as aging, stem cell therapies, and G-coupled protein receptors. In-text features, like "Hot Topics" and "Biochemical Connections", reflect the latest advances in the field -- and demonstrate how biochemistry applies to other fields like health and sports medicine. Problem sets, categorized by problem type, help students master chemistry and prepare for exams.

BIOCHEMISTRY, 9E

Mary K. Campbell, Mount Holyoke College; Shawn O. Farrell, Olympic Training Center; Owen McDougal Dr., Boise State University

© 2018, 896pp, Hardback, 9781305961135

OWLv2 eBook



Ideal for those studying biochemistry for the first time, this proven book balances scientific detail with readability and shows you how principles of biochemistry affect your everyday life. Designed throughout to help you succeed (and excel!), the

book includes in-text questions that help you master key concepts, end-of-chapter problem sets grouped by problem type that help you prepare for exams, and state-of-the art visuals that help you understand key processes and concepts. In addition, visually dynamic “Hot Topics” cover the latest advances in the field, while “Biochemical Connections” demonstrate how biochemistry affects other fields, such as health and sports medicine. The accompanying OWL homework offers end-of-chapter problems in digital form, giving you on-demand access to hints, solutions, and other information directly related to the problem.

AE BIOCHEMISTRY, 6E

Reginald H. Garrett, University of Virginia; Charles M. Grisham, University of Virginia

© 2017, 1328pp, Paperback, 9789814846424

OWLv2

AsiaTitle



Continuing Garrett and Grisham's innovative conceptual and organizing “Essential Questions” framework, BIOCHEMISTRY guides students through course concepts in a way that reveals the beauty and usefulness of biochemistry

in the everyday world. Offering a balanced and streamlined presentation, this edition has been updated throughout with new material and revised presentations. For the first time, this book is integrated with OWLv2, a powerful online learning system for chemistry with book-specific end-of-chapter material that engages students and improves learning outcomes.

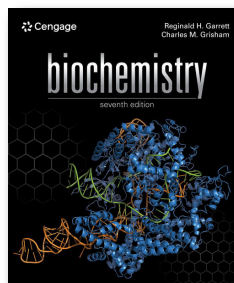
NEW EDITION

BIOCHEMISTRY, 7E

*Reginald H. Garrett, University of Virginia;
Charles M. Grisham, University of Virginia*

© 2024, 1328pp, Hardback, 9780357728451

OWLv2 eBook



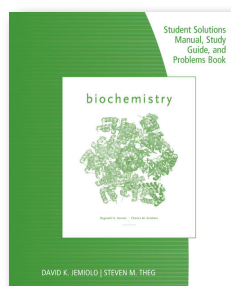
Ideal for readers encountering biochemistry for the first time, Garrett and Grisham's BIOCHEMISTRY, Seventh Edition, makes even complex course concepts more accessible while revealing the beauty and usefulness of biochemistry

in the everyday world. This engaging text illuminates the fundamental principles governing the structure, function and interactions of biological molecules, providing a solid foundation in biochemistry whether you are an undergraduate majoring in life sciences, chemistry or premedical programs, or a medical or graduate health sciences student seeking a deeper understanding of human physiology. Updated to reflect tremendous recent developments in biochemistry, the Seventh Edition features new and revised material and presentations throughout the text, incorporating additional content while maintaining a balanced and streamlined presentation. In addition, the authors emphasize the interrelationships of ideas to help you appreciate the overarching questions of biochemistry. The text is also integrated with OWLv2, a powerful online learning system for chemistry with text-specific end-of-chapter material to help you improve your grades and master course concepts.

STUDY GUIDE WITH STUDENT SOLUTIONS MANUAL AND PROBLEMS BOOK FOR GARRETT/GRISHAM'S BIOCHEMISTRY, 6TH, 6E

Reginald H. Garrett, University of Virginia; Charles M. Grisham, University of Virginia

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This complete solutions manual and study guide is the perfect way to prepare for exams, build problem-solving skills, and get the grade you want! This useful resource reinforces skills with activities and practice problems for each chapter. After completing the end-of-

chapter exercises, you can check your answers for the odd-numbered questions.

GENERAL CHEMISTRY

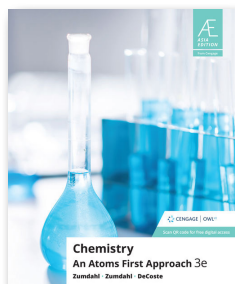
AE CHEMISTRY: AN ATOMS FIRST APPROACH, 3E

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Susan A. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

© 2021, 1184pp, Paperback, 9789814896993

OWLv2

AsiaTitle



Renowned author team, Steve and Susan Zumdahl have for decades focused on helping students build critical-thinking skills while learning to “think like chemists.” This focus on conceptual understanding and strong problem-solving orientation provides

students the building blocks towards gaining mastery. In this third edition of CHEMISTRY: AN ATOMS FIRST APPROACH, Steve and Susan Zumdahl, with new co-author Don DeCoste, place special emphasis on the fluidity of topics, guiding students through the concept of molecules, structure and bonding to more complex materials and their properties. This text is enhanced with interactive resources available in OWLv2, a powerful online learning system with richly dynamic problems and newly enhanced content that features a wider range of quality feedback and point-of-use remediation.

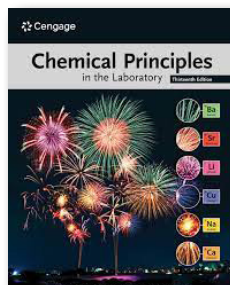
NEW EDITION

CHEMICAL PRINCIPLES IN THE LABORATORY, 13E

Emil Slowinski, *Macalester College*;
Wayne C. Wolsey, *Macalester College*;
Robert Rossi, *Macalester College*

© 2024, 432pp, Spiral, 9780357851272

WebAssign eBook



Succeed in chemistry with Slowinski/Wolsey/Rossi's CHEMICAL PRINCIPLES IN THE LABORATORY, 13th Edition! Clear, direct and user-friendly, this lab manual gives you the tools you need to successfully complete lab experiments and reports. Analyzing what

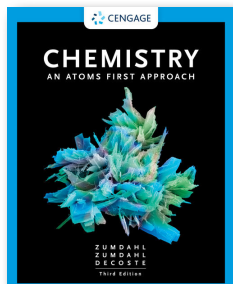
you observe in the lab is made easier with the manual's data pages, and the detailed introductions and integrated Advance Study Assignments are designed to help you be prepared when you arrive at the lab. Extensive appendices walk you through how to do everything from correctly carrying out a titration to using a spreadsheet to analyze your data.

CHEMISTRY, 3E An Atoms First Approach

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Susan A. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

© 2021, 1216pp, Hardback, 9780357363362

OWLv2 eBook



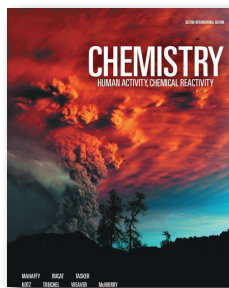
Learn the skills you need to succeed in your chemistry course with CHEMISTRY: AN ATOMS FIRST APPROACH, Third Edition. This trusted text will help you learn to “think like a chemist” and develop the problem-solving skills needed to master even the

most challenging problems. Known for clear explanations and a wealth of examples, the book will help you gain a new understanding of chemistry through an “atoms first” approach that guides you through the concept of molecules, structure and bonding to more complex materials and their properties. The text combined with the online resources and instant feedback in OWLv2 sets you on your way to developing a deeper understanding of chemistry concepts and solving complex problems in all aspects of your life.

CHEMISTRY : HUMAN ACTIVITY, CHEMICAL REACTIVITY (INTERNATIONAL EDITION), 2E

Peter Mahaffy, *King's University College, Canada*; Roy Tasker, *University of Western Sydney*; Bob Bucat, *University of Western Australia*; John C. Kotz, *State University of New York, Oneonta*

© 2021, 1424pp, Paperback, 9780170459198



Taking an evidence-first big picture approach, Chemistry: Human Activity, Chemical Reactivity encourages students to think like a chemist, develop critical understanding of what chemistry is, why it is important and how chemists arrive at their discoveries.

Flipping the traditional model of presenting facts and building to applications, this text begins with contexts that are real-life and matter to students – from doping in sports, to the chemistry behind the treads of wall-climbing robots. Informed by the latest chemical education research, Chemistry: Human Activity, Chemical Reactivity presents chemistry as the exciting, developing human activity that it is, rather than a body of facts, theories, and skills handed down from the past.

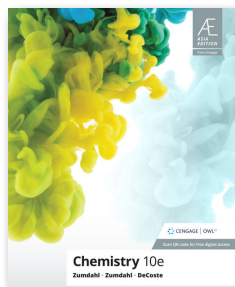
AE CHEMISTRY, 10E

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Susan A. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

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OWLv2

AsiaTitle



The tenth edition of Steve and Susan Zumdahl's widely regarded CHEMISTRY combines a robust conceptual framework, a readable and engaging writing style, and an unparalleled selection of problems and exercises that make it one of the most

trusted chemistry textbooks available today. CHEMISTRY uses a thoughtful approach built on creative problem-solving techniques and critical thinking. An emphasis on modeling and interactive examples helps students learn how to approach and solve chemical problems -- to think like chemists -- so that they can apply the process of problem solving to all aspects of their lives. Zumdahl and Zumdahl -- and new coauthor Don DeCoste -- give students the tools they need to become critical thinkers: solve problems, apply chemical theories, and evaluate outcomes.

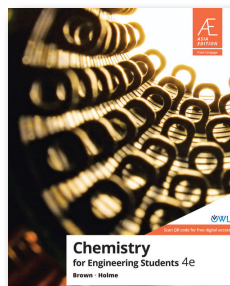
AE CHEMISTRY FOR ENGINEERING STUDENTS, 4E

Larry Brown, *Texas A&M University*; Tom Holme, *Iowa State University*

© 2019, 648pp, Paperback, 9789814846288

OWLv2

AsiaTitle



Enhanced with new problems and applications, the Fourth Edition of CHEMISTRY FOR ENGINEERING STUDENTS provides a concise, thorough, and relevant introduction to chemistry that prepares students for further study in

any engineering field. Updated with new conceptual understanding questions and applications specifically geared toward engineering students, the book emphasizes the connection between molecular properties and observable physical properties and the connections between chemistry and other subjects studied by engineering students, such as mathematics and physics.

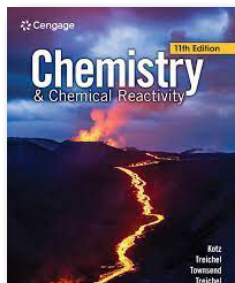
NEW EDITION

CHEMISTRY & CHEMICAL REACTIVITY, 11E

John C. Kotz, State University of New York, Oneonta (Retired); Paul M. Treichel, University of Wisconsin, Madison (Retired); John Townsend, West Chester University of Pennsylvania (Retired); David Treichel, Nebraska Wesleyan University

© 2024, 1148pp, Hardback, 9780357851401

OWLv2 eBook



Succeed in chemistry with the clear explanations, problem-solving strategies and dynamic study tools of CHEMISTRY & CHEMICAL REACTIVITY, Eleventh Edition. Engaging chapter content helps you develop a deeper understanding of fundamental chemistry

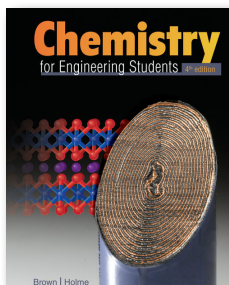
concepts, while vibrant illustrations emphasize the visual nature of chemistry and the close interrelationship of its macroscopic, symbolic and particulate levels. In addition, the text showcases the practical applications of chemistry and presents recent advances to make content both interesting and relevant. Finally, online study aids in OWLv2, such as Interactive Examples and Adaptive Learning Activities, can help you master even challenging concepts more readily, preparing you for success in the classroom and beyond.

CHEMISTRY FOR ENGINEERING STUDENTS, 4E

Larry Brown, Texas A&M University; Tom Holme, Iowa State University

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OWLv2 eBook



Enhanced with new problems and applications, the Fourth Edition of CHEMISTRY FOR ENGINEERING STUDENTS provides a concise, thorough, and relevant introduction to chemistry that prepares you for further study in any

engineering field. Updated with new conceptual understanding questions and applications specifically geared toward engineering, the book emphasizes the connection between molecular properties and observable physical properties and the connections between chemistry and other subjects such as mathematics and physics.

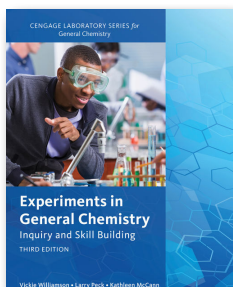
EXPERIMENTS IN GENERAL CHEMISTRY, 3E

Inquiry and Skill Building

Vickie Williamson, Texas A&M University; Larry Peck, Texas A&M University; Kathleen McCann

© 2019, 412pp, Paperback, 9781337399241

eBook



Maximize your skills and understanding with **EXPERIMENTS IN GENERAL CHEMISTRY: INQUIRY AND SKILL BUILDING**, Third Edition. The manual's 31 experiments include Skill Building, Guided Inquiry, and Open Inquiry

experiments to provide maximum lab experience in the minimum amount of lab time. Each experiment includes prelab questions to help you prepare for the lab ahead of time and post-lab questions that lead you from data analysis to concept development to reinforce the core concepts of the lab.

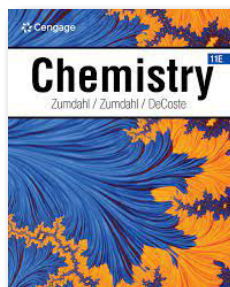
NEW EDITION

CHEMISTRY, 11E

Steven S. Zumdahl, University of Illinois, Urbana-Champaign; Susan A. Zumdahl, University of Illinois, Urbana-Champaign; Donald J. DeCoste, University of Illinois, Urbana-Champaign

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Learning chemistry is more than just memorizing facts and formulas. To be successful, you need to understand fundamental chemistry concepts and how to apply them to solve problems. **CHEMISTRY**, Eleventh Edition, will help you gain the tools you need

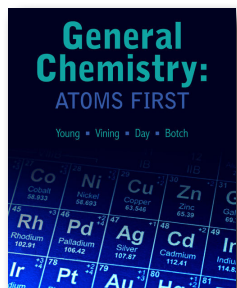
to succeed in your chemistry course--and beyond. This trusted text has helped generations of students learn to "think like chemists," developing critical-thinking and creative problem-solving skills to master even the most challenging problems. An engaging writing style, clear explanations and interactive examples help you build both skill and confidence, so you can study to understand rather than simply memorize. In addition, useful online resources and instant feedback in OWLv2 help bring the material to life and make learning even more effective.

GENERAL CHEMISTRY: ATOMS FIRST

Susan Young, William Vining, State University of New York at Oneonta; Roberta Day, Professor Emeritus, University of Massachusetts; Beatrice Botch, University of Massachusetts, Amherst

© 2018, 880pp, Paperback, 9781337612296

MindTap eBook



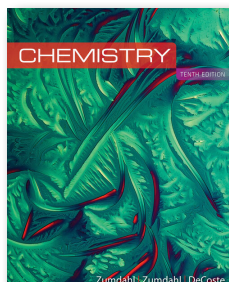
This print companion to MindTap for General Chemistry presents the narrative, figures, tables, and example problems—but no graded problems or assessments. You will need a MindTap access code to complete the interactive activities, exercises, and

assignments. MindTap General Chemistry: Atoms First is a new homework platform and interactive textbook designed to help you study better. MindTap organizes your homework and readings in short, manageable chunks so that you read a little, then do a little. The learning path ramps up your knowledge so that you first learn essential concepts and skills before moving onto more advanced problems like the ones you might get on an exam. There's also a MindTap Mobile App to keep you connected with important reminders and on-demand study tools. It's time to say goodbye to your textbook, and say hello to MindTap General Chemistry!

INQUIRY-BASED LEARNING GUIDE FOR ZUMDAHL/ZUMDAHL/DECOSTE'S CHEMISTRY, 10TH EDITION, 10E

Steven S. Zumdahl, University of Illinois, Urbana-Champaign; Susan A. Zumdahl, University of Illinois, Urbana-Champaign; Donald J. DeCoste, University of Illinois, Urbana-Champaign

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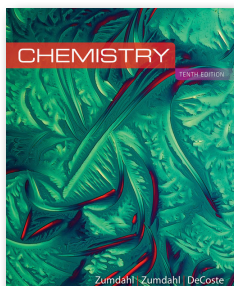


This guide contains questions and activities to help you consider underlying concepts for understanding chemistry.

LAB MANUAL FOR ZUMDAHL/ ZUMDAHL/DECOSTE'S CHEMISTRY, 10TH EDITION, 10E

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Susan A. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

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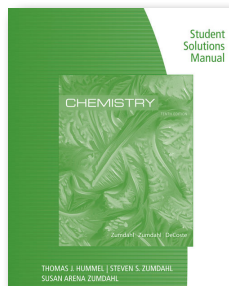


Build skill and confidence in the lab with the 59 experiments included in this manual. Safety is strongly emphasized throughout the lab manual.

STUDENT SOLUTIONS MANUAL FOR ZUMDAHL/ZUMDAHL/DECOSTE'S CHEMISTRY, 10TH EDITION, 10E

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Susan A. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

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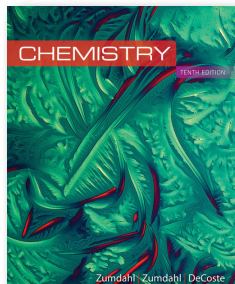


Contains fully worked-out solutions to all of the odd-numbered exercises in the text, giving you a way to check your answers.

STUDY GUIDE FOR ZUMDAHL/ ZUMDAHL/DECOSTE'S CHEMISTRY, 10TH EDITION, 10E

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Susan A. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

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This guide includes a variety of study aids to help you master the course material, whatever your learning style. You'll find chapter outlines and summaries, learning objectives, definitions of major terms and figures, and self-tests -- featuring questions correlated to the learning objectives as well as answers so you can gauge your understanding.

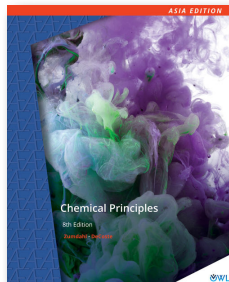
AE CHEMICAL PRINCIPLES, 8E

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

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This fully updated Eighth Edition of CHEMICAL PRINCIPLES provides a unique organization and a rigorous but understandable introduction to chemistry that emphasizes conceptual understanding and the importance of models. Known for helping students

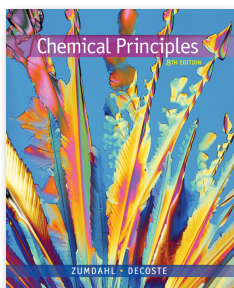
develop a qualitative, conceptual foundation that gets them thinking like chemists, this market-leading text is designed for students with solid mathematical preparation. The Eighth Edition features a new section on "Solving a Complex Problem" that discusses and illustrates how to solve problems in a flexible, creative way based on understanding the fundamental ideas of chemistry and asking and answering key questions. The book is also enhanced by an increase of problem-solving techniques in the solutions to the Examples, new student learning aids, new 'Chemical Insights' and "Chemistry Explorers" boxes, and more.

CHEMICAL PRINCIPLES, 8E

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

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OWLv2 eBook



Develop the qualitative, conceptual foundation you need to think like a chemist with CHEMICAL PRINCIPLES, 8e. Designed for students with solid mathematical preparation, this best-seller emphasizes models, everyday applications of chemistry,

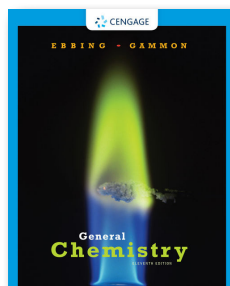
and a thoughtful, step-by-step problem-solving approach.

GENERAL CHEMISTRY, 11E

Darrell D. Ebbing, *Wayne State University*; Steven D. Gammon

© 2017, 1152pp, Hardback, 9781305580343

OWLv2 eBook



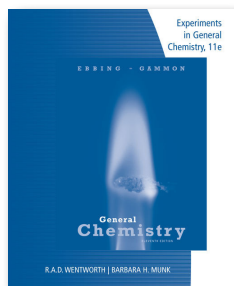
GENERAL CHEMISTRY is better than ever with this eleventh edition. It includes essential updates—such as modern artwork, higher integration with OWLv2, revised end-of-chapter questions, added Capstone Problems, narrative revisions, and more—to

help you succeed in your chemistry course.

LAB MANUAL EXPERIMENTS IN GENERAL CHEMISTRY, 11E

Rupert Wentworth, Indiana University; Barbara H. Munk

© 2017, 480pp, Paperback, 9781305944985

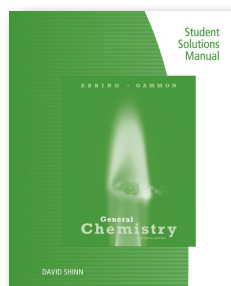


Each experiment in this manual was selected to match topics in your textbook and includes an introduction, a procedure, a page of pre-lab exercises about the concepts the lab illustrates, and a report form. Some have a scenario that places the experiment in a real-world context. For this edition, minor updates have been made to the lab manual to address some safety concerns.

STUDENT SOLUTIONS MANUAL FOR EBBING/GAMMON'S GENERAL CHEMISTRY, 11TH, 11E

Darrell D. Ebbing, Wayne State University; Steven D. Gammon

© 2017, Paperback, 9781305673472



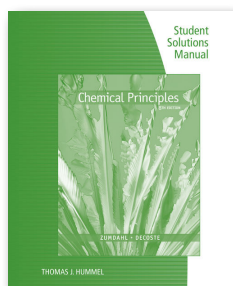
This manual contains answers and detailed solutions to all the in-chapter Exercises, Concept Checks, and Self-Assessment and Review Questions, plus step-by-step solutions to selected odd-numbered end-of-chapter problems.

STUDENT SOLUTIONS MANUAL FOR ZUMDAHL/DECOSTE'S CHEMICAL PRINCIPLES, 8TH, 8E

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

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eBook



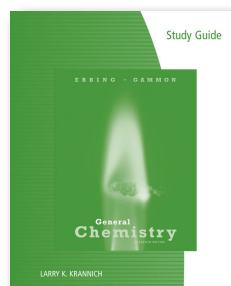
Prepare for exams and succeed in your chemistry course with this comprehensive solutions manual! This manual contains answers and detailed solutions to all the in-chapter Exercises, Concept Checks, and Self-Assessment and Review

Questions, plus step-by-step solutions to selected odd-numbered end-of-chapter problems.

STUDY GUIDE FOR EBBING/ GAMMON'S GENERAL CHEMISTRY, 11TH, 11E

Darrell D. Ebbing, *Wayne State University*; Steven D. Gammon

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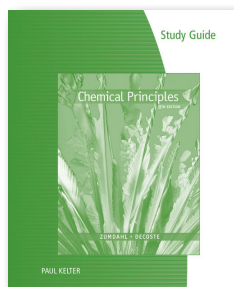


The perfect way to prepare for exams, build problem-solving skills, and get the grade you want! This guide reinforces your understanding of major concepts, learning objectives, and key terms presented in your text, and further develops your problem-solving skills. Each chapter features both a diagnostic pre-test and post-test, additional practice problems and their worked-out solutions, and cumulative unit exams.

STUDY GUIDE FOR ZUMDAHL/ DECOSTE'S CHEMICAL PRINCIPLES, 8TH, 8E

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

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The perfect way to prepare for exams, build problem-solving skills, and get the grade you want! This comprehensive self-study aid contains alternative strategies for solving problems, supplemental explanations for the most difficult material, and self-

tests. Approximately 400 worked examples and 1,200 practice problems (with answers) are included to help you master the concepts covered in the text.

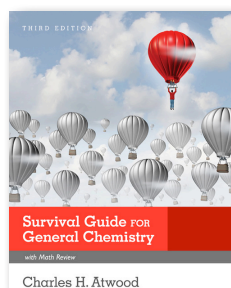
SURVIVAL GUIDE FOR GENERAL CHEMISTRY WITH MATH REVIEW AND PROFICIENCY QUESTIONS, 3E

How to Get an A

Charles H. Atwood, *University of Georgia*

© 2017, 216pp, Paperback, 9781305629561

eBook



This survival guide is designed to help you solve problems you are likely to encounter in your General Chemistry course. Understand the thought process needed to tackle some of these problems by dissecting them into manageable chunks. Build

the confidence you need to master your course with three levels of proficiency questions: A, B, and minimal. Available for packaging with any CENGAGE textbook or available separately for a minimal cost at CENGAGEbrain.com.

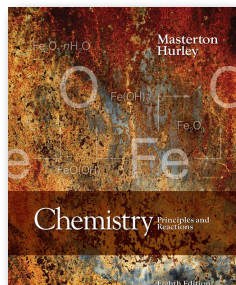
CHEMISTRY, 8E

Principles and Reactions

*William L. Masterton, University of Connecticut, Emeritus;
Cecile N. Hurley, University of Connecticut*

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Master the fundamental topics of general chemistry and succeed in the course with this brief, student-friendly text. CHEMISTRY: PRINCIPLES AND REACTIONS, 8e, provides a clear, concise presentation based on the authors' extensive teaching

experience, includes an increased variety and number of applications that highlight some of the most up-to-date uses of chemistry, as well as graded and concept-driven examples and examples that focus on molecular reasoning and understanding. The strong art program now includes "talking labels" that help you visualize chemical concepts, while integrated end-of-chapter questions and Key Concepts correlate to OWLv2, the #1 online homework and tutorial system for chemistry that has already helped hundreds of thousands of students earn a better grade.

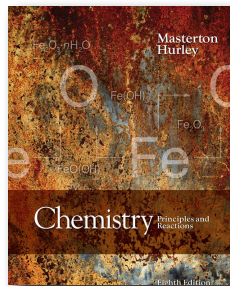
CHEMISTRY, 8E

Principles and Reactions (with LMS Intg OWLv2, 4-terms (24 months) Printed Access Card

*William L. Masterton, University of Connecticut, Emeritus;
Cecile N. Hurley, University of Connecticut*

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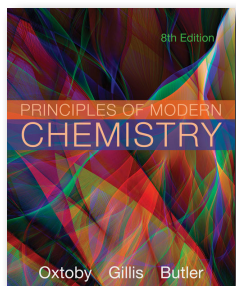
experience, includes an increased variety and number of applications that highlight some of the most up-to-date uses of chemistry, as well as graded and concept-driven examples and examples that focus on molecular reasoning and understanding. The strong art program now includes "talking labels" that help you visualize chemical concepts, while integrated end-of-chapter questions and Key Concepts correlate to OWLv2, the #1 online homework and tutorial system for chemistry that has already helped hundreds of thousands of students earn a better grade.

PRINCIPLES OF MODERN CHEMISTRY, 8E

David W. Oxtoby, Pomona College; H. Pat Gillis, University of California - Los Angeles; Laurie J. Butler, The University of Chicago

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OWLv2 eBook



Develop a deep conceptual understanding of chemistry with PRINCIPLES OF MODERN CHEMISTRY, the textbook that continues to set the standard as the most modern, chemically and mathematically accurate text on the market.

Packed with worked examples and exercises and mathematically accurate molecular art--and integrated with the #1 online homework and tutorial system for chemistry--the book is designed throughout to help you succeed in the course. In addition, end-of-chapter study aids focus on only the most important key objectives, equations and concepts to make it easy for you to locate chapter content, and new applications to a wide range of disciplines, such as biology, chemical engineering, biochemistry, and medicine, give you a fascinating look at chemistry's uses beyond the classroom.

PRINCIPLES OF MODERN CHEMISTRY, HYBRID (WITH LMS INTEGRATED FOR OWLv2 WITH MINDTAP READER, 4 TERMS (24 MONTHS) PRINTED ACCESS CARD), 8E

David W. Oxtoby, Pomona College; H. Pat Gillis, University of California - Los Angeles; Laurie J. Butler, The University of Chicago

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OWLv2



PRINCIPLES OF MODERN CHEMISTRY continues to set the standard as the most modern, chemically and mathematically accurate text on the market, with an "atoms first" organization and mathematically accurate artistic representations of atomic

and molecular orbitals.

STUDENT SOLUTIONS MANUAL FOR MASTERTON/HURLEY'S CHEMISTRY: PRINCIPLES AND REACTIONS, 8TH, 8E

*William L. Masterton, University of Connecticut, Emeritus;
Cecile N. Hurley, University of Connecticut*

© 2016, 736pp, Paperback, 9781305095236



Improve your performance at exam time with this manual's complete solutions to the even-numbered end-of-chapter Questions and Problems answered in Appendix 5, including the Challenge Problems. The authors include references to textbook sections and

tables to help guide you through the problem-solving techniques employed by the authors.

STUDY GUIDE AND WORKBOOK FOR MASTERTON/HURLEY'S CHEMISTRY: PRINCIPLES AND REACTIONS, 8TH, 8E

*William L. Masterton, University of Connecticut, Emeritus;
Cecile N. Hurley, University of Connecticut*

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Improve your success in the course with this helpful Study Guide and Workbook. This valuable resource contains additional worked examples and problem-solving techniques to help you understand the principles of general chemistry. Each chapter is

outlined with fill-in-the-blank activities, exercises, and self-tests.

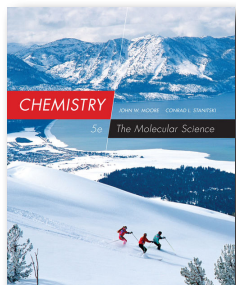
CHEMISTRY, 5E

The Molecular Science

John W. Moore, University of Wisconsin, Madison; Conrad L. Stanitski, Franklin and Marshall College

© 2015, 1264pp, Hardback, 9781285199047

OWLv2 eBook



Open CHEMISTRY: THE MOLECULAR SCIENCE, Fifth Edition and take a journey into the beautiful domain of chemistry, a fascinating and powerfully enabling experience! This easy-to-read text gives you the solid foundation you'll need for success in every

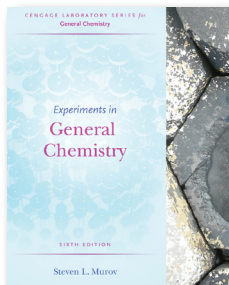
science and engineering course you take. Every "Problem-Solving Example" includes a "Strategy and Explanation" section, which clearly describes the strategy and approach chosen to solve the problem. In addition, an annotated art program emphasizes the three concept levels in a pedagogically sound approach to understanding molecules, concepts, and mathematical equations. Success in your course is within your grasp with CHEMISTRY: THE MOLECULAR SCIENCE, Fifth Edition.

EXPERIMENTS IN GENERAL CHEMISTRY, 6E

Steven L. Murov, Modesto Junior College

© 2015, 464pp, Paperback, 9781285458540

eBook



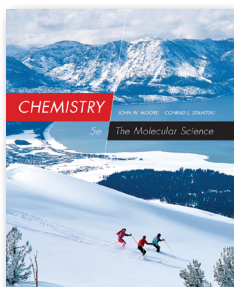
EXPERIMENTS IN GENERAL CHEMISTRY is the perfect textbook to prepared you for success in a chemistry class. This innovative book is not only full of exciting experiments but will help you understand the chemistry behind what is happening. With this

guide in your pocket, aing any chemistry class will be a breeze!

STUDENT SOLUTIONS MANUAL FOR MOORE/STANITSKI'S CHEMISTRY: THE MOLECULAR SCIENCE, 5TH, 5E

Judy Ozment, Pennsylvania State University

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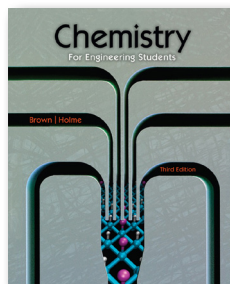
Go beyond the answers to truly understanding the steps it takes to get there! This solutions manual contains fully worked-out solutions to end-of chapter questions that have blue, boldface numbers and are answered in the back of the text. Solutions match the problem-solving strategies used in the main text.

STUDENT SOLUTIONS MANUAL WITH STUDY GUIDE FOR BROWN/HOLME'S CHEMISTRY FOR ENGINEERING STUDENTS, 3RD, 3E

Larry Brown, Texas A&M University

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eBook

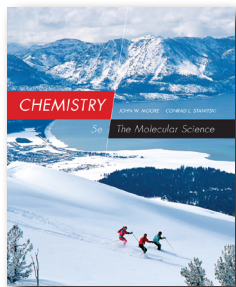


Using this STUDENT SOLUTIONS MANUAL AND STUDY GUIDE, you can study more effectively and improve your performance at exam time! This comprehensive guide walks you through the step-by-step solutions to the odd-numbered end-of-chapter problems in the text. Because the best way for you to learn and understand the concepts is to work multiple, relevant problems on a daily basis and to have reinforcement of important topics and concepts from the book, the STUDENT SOLUTIONS MANUAL gives you instant feedback by providing you with not only the answers, but also detailed explanations of each problem's solution. Also included are Study Goals and Chapter Objective quizzes for each chapter of the text.

STUDY GUIDE FOR MOORE/ STANITSKI'S CHEMISTRY: THE MOLECULAR SCIENCE, 5TH, 5E

Michael Sanger, *Middle Tennessee State University*

© 2015, 272pp, Paperback, 9781285778662



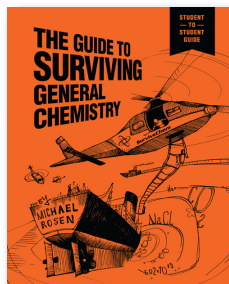
Study more effectively and improve your performance at exam time with this guide! The Study Guide for CHEMISTRY: THE MOLECULAR SCIENCE, FOURTH EDITION contains helpful learning tools, such as brief notes on chapter sections with examples, review of key terms, and practice tests (with answers).

THE GUIDE TO SURVIVING GENERAL CHEMISTRY, 2E

Michael Rosen

© 2015, 192pp, Paperback, 9781305391383

eBook



Being a student himself, Michael Rosen knows exactly how it feels when trying to learn difficult concepts. He has extensive experience tutoring General Chemistry and understands where students need help the most. GUIDE TO SURVIVING GENERAL

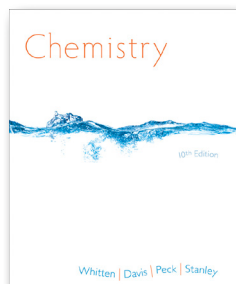
CHEMISTRY is a straight-to-the-point resource that gives you exactly what you need to know, along with the best techniques for learning general chemistry. Endorsed by Professor Mark Oram, Ph.D for accuracy and topic coverage, this text is filled with study tips, example problems, and worked out solutions for all topics in the course This book is the ideal guide for mastering General Chemistry. Available packaged with any CENGAGE textbook or available separately for a minimal cost at CENGAGEbrain.com.

CHEMISTRY, 10E

Kenneth W. Whitten, University of Georgia; Raymond E. Davis, University of Texas, Austin; Larry Peck, Texas A&M University; George G. Stanley, Louisiana State University

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OWLv2 eBook



Succeed in your general chemistry course with CHEMISTRY, 10e! This proven text starts with the basics and includes detailed illustrations to accompany the narrative, so you'll be able to follow each concept fully. The text's unique focus on molecular

reasoning will help you learn to think at the molecular level and make connections between molecular structure and macroscopic properties. The book's art program includes "talking labels" that fully explain what is going on in the figure to help you understand even tough chemistry concepts. Available with InfoTrac® Student Collections <http://gocengage.com/infotrac>.

CHEMISTRY, HYBRID (WITH LMS INTG OWLV2, 4 TERMS (24 MONTHS) PRINTED ACCESS CARD), 9E

Steven S. Zumdahl, University of Illinois, Urbana-Champaign

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Learn how to approach and solve chemical problems so you can apply the process of problem solving to all aspects of your life with CHEMISTRY, Ninth Edition. This student-friendly chemistry text helps you ask and answer your own questions, and, instead of

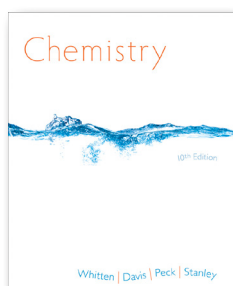
focusing on memorization, emphasizes hands-on learning and problem solving. With the book's easy-to-use media program, you'll master chemistry concepts and problem solving skills in no time and learn to think like a chemist: asking questions, applying rules, developing models, and evaluating outcomes. Available with InfoTrac® Student Collections <http://gocengage.com/infotrac>.

STUDENT SOLUTIONS MANUAL FOR WHITTEN/DAVIS/PECK/STANLEY'S CHEMISTRY, 10TH, 10E

Kenneth W. Whitten, University of Georgia; Raymond E. Davis, University of Texas, Austin; Larry Peck, Texas A&M University; George G. Stanley, Louisiana State University

© 2014, 448pp, Paperback, 9781133933526

eBook



Master problem-solving using the detailed solutions in this manual, which contains answers and solutions to all even-numbered end-of-chapter exercises. Solutions are divided by section for easy reference. With this guide, the author helps you

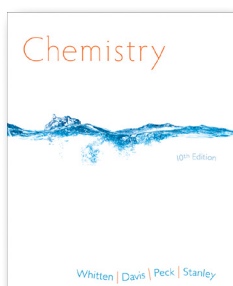
achieve a deeper, intuitive understanding of the material through constant reinforcement and practice. An online version is also available through OWL.

STUDY GUIDE FOR WHITTEN/DAVIS/PECK/STANLEY'S CHEMISTRY, 10TH, 10E

Kenneth W. Whitten, University of Georgia; Raymond E. Davis, University of Texas, Austin; Larry Peck, Texas A&M University; George G. Stanley, Louisiana State University

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eBook



Study more effectively and improve your performance at exam time with this comprehensive guide. The guide includes chapter summaries that highlight the main themes; study goals with section references; lists of important terms; a preliminary test for

each chapter that provides an average of 80 drill and concept questions; and answers to the preliminary tests. The Study Guide helps you organize the material and practice applying the concepts of the core text.

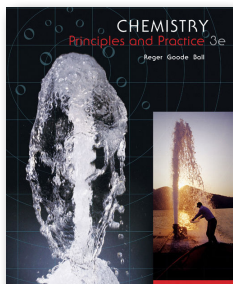
CHEMISTRY, 3E

Principles and Practice

Daniel L. Reger, University of South Carolina; Scott R. Goode, University of South Carolina; David W. Ball, Cleveland State University

© 2010, 1120pp, Hardback, 9780534420123

OWLv2 eBook



A text that truly embodies its name, CHEMISTRY: PRINCIPLES AND PRACTICE connects the chemistry you learn in the classroom (principles) with real-world uses of chemistry (practice). The authors accomplish this by starting each chapter with an

application drawn from a chemical field of interest and revisiting that application throughout the chapter. The Case Studies, Practice of Chemistry essays, and Ethics in Chemistry questions reinforce the connection of chemistry topics to areas such as forensics, organic chemistry, biochemistry, and industry.

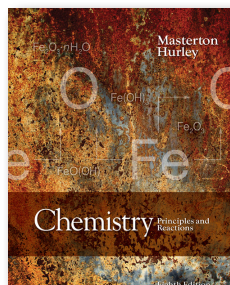
CHEMISTRY, 8E

Principles and Reactions

William L. Masterton, University of Connecticut, Emeritus; Cecile N. Hurley, University of Connecticut; Edward Neth, University of Connecticut

© 2016, 800pp, Hardback, 9781305095113

OWLv2 eBook



This latest edition of Chemistry: Principles and Reactions takes students directly to the crux of chemistry's fundamental concepts and allows teachers to efficiently cover all major chemistry topics. Based on the authors' extensive teaching

experience, the book includes rigorous graded and concept-driven examples, as well as examples that focus on molecular reasoning and understanding. The Eighth Edition features a new and innovative example format, new "talking labels" within artwork, 25% new or revised problems, "Chemistry: Beyond the Classroom" essays that highlight some of the most up-to-date uses of chemistry, and end-of-chapter questions and Key Concepts that correlate to OWLv2, the #1 online homework and tutorial system for chemistry.

INSTRUMENTAL ANALYSIS

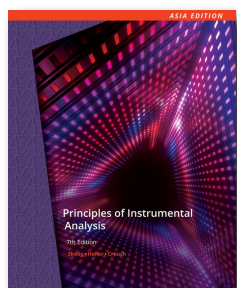
AE PRINCIPLES OF INSTRUMENTAL ANALYSIS, 7E

Douglas A. Skoog, Stanford University; F. James Holler, University of Kentucky; Stanley R. Crouch, Michigan State University

© 2018, 988pp, Paperback, 9789814834346

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PRINCIPLES OF INSTRUMENTAL ANALYSIS is the standard for courses on the principles and applications of modern analytical instruments. In the 7th edition, authors Skoog, Holler, and Crouch infuse their popular text with updated techniques and

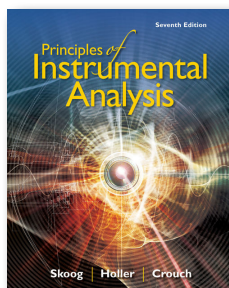
new Instrumental Analysis in Action case studies. Updated material enhances the book's proven approach, which places an emphasis on the fundamental principles of operation for each type of instrument, its optimal area of application, its sensitivity, its precision, and its limitations. The text also introduces students to elementary analog and digital electronics, computers, and the treatment of analytical data. A companion website is available, providing students with tutorials on instrumental methods, Excel files of data analysis, and simulations of analytical techniques to help them visualize important concepts. Digital Object Identifiers (DOIs) are provided for most references to the primary literature.

PRINCIPLES OF INSTRUMENTAL ANALYSIS, 7E

Douglas A. Skoog, Stanford University; F. James Holler, University of Kentucky; Stanley R. Crouch, Michigan State University

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PRINCIPLES OF INSTRUMENTAL ANALYSIS, 7th Edition, places an emphasis on operating principles of each type of instrument, its optimal area of application, its sensitivity, its precision, and its limitations. You'll also learn about elementary

analog and digital electronics, computers, and the treatment of analytical data.

INTRODUCTORY / PREPARATORY CHEMISTRY

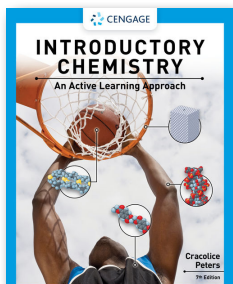
INTRODUCTORY CHEMISTRY, 7E

An Active Learning Approach

Mark S. Cracolice, *University of Montana*; Ed Peters, *N/A*

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Learn the skills you need to succeed in your chemistry course with **INTRODUCTORY CHEMISTRY: AN ACTIVE LEARNING APPROACH**, 7th Edition. Known for threaded remediation of topics, this text assumes no prior knowledge of

Chemistry. This proven resource will help you every step of the way as you develop the skills you need write routine chemical formulas and equations, set up and solve chemistry problems, think about fundamental chemistry on an atomic or molecular level, and visualize what happens in a chemical change. The text combined with the online resources and instant feedback in OWLv2 sets you on your way to developing a deeper understanding of chemistry concepts and solving complex problems in all aspects of your life.

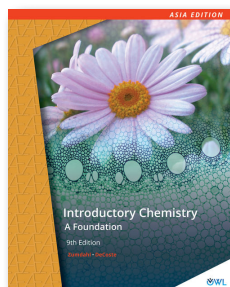
AE INTRODUCTORY CHEMISTRY: A FOUNDATION, 9E

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

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Zumdahl and DeCoste's best-selling **INTRODUCTORY CHEMISTRY: A FOUNDATION**, Ninth Edition, combines enhanced problem-solving structure with substantial pedagogy to enable students to become strong, independent

problem solvers. Capturing student interest through early coverage of chemical reactions, accessible explanations and visualizations, and an emphasis on everyday applications, the authors explain chemical concepts starting with the basics and conclude by encouraging students to test their own understanding of the solution. "Critical Thinking" questions useful for generating class discussion emphasize the importance of conceptual learning. Students have access to even more skill-building resources in OWLv2, the most trusted online learning system for Chemistry.

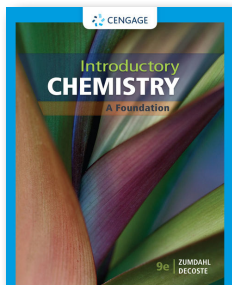
INTRODUCTORY CHEMISTRY, 9E

A Foundation

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

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Succeed in your course with **INTRODUCTORY CHEMISTRY: A FOUNDATION!** This best-selling text combines enhanced problem-solving structure with substantial pedagogy to help you become a successful problem solver. Early

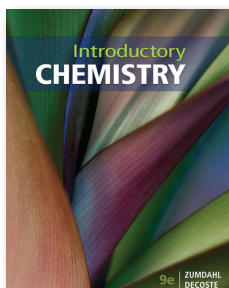
coverage of chemical reactions, accessible explanations and visualizations, and an emphasis on everyday applications facilitates understanding. The authors' step-by-step approach has already helped hundreds of thousands of student's master chemical concepts and develop strong problem-solving skills. Interactive study aids in OWLv2, such as ChemWork Problems and Adaptive Learning Activities, help students master concepts.

INTRODUCTORY CHEMISTRY, 9E

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

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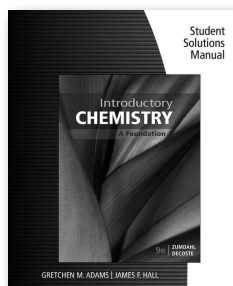
Succeed in your course with **INTRODUCTORY CHEMISTRY: A FOUNDATION!** This best-selling text combines enhanced problem-solving structure with substantial pedagogy to help you become a successful problem solver. Early

coverage of chemical reactions, accessible explanations and visualizations, and an emphasis on everyday applications facilitates understanding. The authors' step-by-step approach has already helped hundreds of thousands of student's master chemical concepts and develop strong problem-solving skills. Interactive study aids in OWLv2, such as ChemWork Problems and Adaptive Learning Activities, help students master concepts.

STUDENT SOLUTIONS MANUAL FOR ZUMDAHL/DECOSTE'S INTRODUCTORY CHEMISTRY: A FOUNDATION, 9TH, 9E

Steven S. Zumdahl, *University of Illinois, Urbana-Champaign*;
Donald J. DeCoste, *University of Illinois, Urbana-Champaign*

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Homework help! This manual contains detailed solutions for the even-numbered end-of-chapter problems and cumulative review exercises.

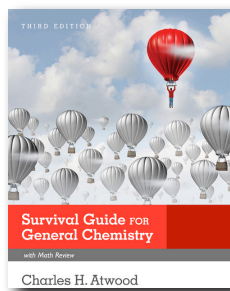
SURVIVAL GUIDE FOR GENERAL CHEMISTRY WITH MATH REVIEW AND PROFICIENCY QUESTIONS, 3E

How to Get an A

Charles H. Atwood, *University of Georgia*

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eBook



This survival guide is designed to help you solve problems you are likely to encounter in your General Chemistry course. Understand the thought process needed to tackle some of these problems by dissecting them into manageable chunks. Build

the confidence you need to master your course with three levels of proficiency questions: A, B, and minimal. Available for packaging with any CENGAGE textbook or available separately for a minimal cost at CENGAGEbrain.com.

INTRODUCTORY CHEMISTRY: AN ACTIVE LEARNING APPROACH, HYBRID (WITH MINDLINK OWLV2 (4 TERMS (24 MONTHS) PRINTED ACCESS CARD, 6E

Mark S. Cracolice, University of Montana; Edward I. Peters

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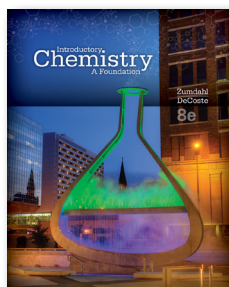
Learn chemistry actively and succeed in your course with **INTRODUCTORY CHEMISTRY**. The authors' question-and-answer format is reflected in three words of advice and encouragement that are repeated throughout the book: **Learn It Now!** Each

chapter includes an **Everyday Chemistry** section that illustrates how chemistry is applied in daily life. New features include outstanding technological resources, coached problems, and enhanced art and photography, all of which dovetail with the authors' active learning approach

LAB MANUAL FOR ZUMDAHL/DECOSTE'S INTRODUCTORY CHEMISTRY: A FOUNDATION, 8TH, 8E

John G. Little

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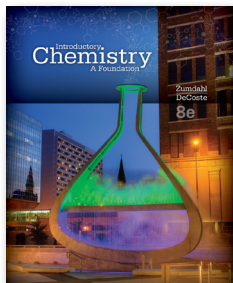
Includes 35 experiments and eight appendices that serve as useful references.

STUDY GUIDE FOR ZUMDAHL/ DECOSTE'S INTRODUCTORY CHEMISTRY: A FOUNDATION, 8TH, 8E

Donald J. DeCoste, University of Illinois, Urbana-Champaign

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The perfect way to prepare for exams, build problem-solving skills, and get the grade you want, this Study Guide includes chapter discussions, key-term definitions, and practice chapter tests.

LIBERAL ARTS CHEMISTRY

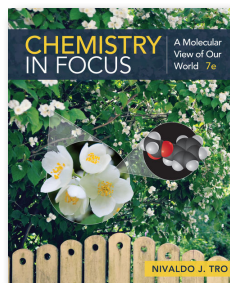
CHEMISTRY IN FOCUS, 7E

A Molecular View of Our World

Nivaldo J. Tro, Westmont College

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OWLv2 eBook



Succeed in the course and connect with the molecular world with the Seventh Edition of CHEMISTRY IN FOCUS. Thoroughly updated with the latest research and developments, this easy-to-understand book emphasizes the fundamental role the

molecular world plays in your daily life. By clearly identifying and explaining connections between atoms and molecules and the world we experience, the book helps you understand the major scientific, technological, and environmental issues affecting our society today. The book's innovative study aids, such as Self-Check questions, OWLv2 Adaptive Study Plans, and new online "Big Picture" videos will help you every step of the way as you master the concepts of the course.

CHEM2: CHEMISTRY IN YOUR WORLD, 2E

John L. Hogg, *Texas A&M University*

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OWLv2



Designed for today's students through the continuous feedback from students like you, CHEM2 delivers a visually appealing, succinct print component, tear-out review cards, and more -- all at an affordable price and proven to enhance your learning experience

and improve your grades. CHEM2 also offers Go Chemistry, as well as online homework available through the OWL learning system.

ORGANIC CHEMISTRY

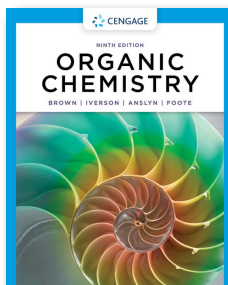
NEW EDITION

ORGANIC CHEMISTRY, 9E

William H. Brown, *Beloit College*; Brent L. Iverson, *University of Texas, Austin*; Eric Anslyn, *University of Texas, Austin*; Christopher S. Foote, *University of California, Los Angeles*

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ORGANIC CHEMISTRY, Ninth Edition, is revised to align with the way students approach complicated material. It includes pull-out organic chemistry reaction roadmaps organized by chapter to help you devise your own reaction pathways.

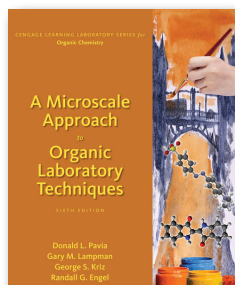
Emphasizing practical "how-to" skills, the new edition is packed with problems, along with hundreds of detailed solutions to all in-chapter exercises to guide you through logical approaches to solving problems. New point-by-point summaries at the beginning of each section highlight important content in a way that is easy to review and reference, while in-margin definitions and highlighted integral concepts reinforce key content throughout the text. In the eBook and OWLv2 course, there are 100 author-created videos that explain and illustrate the most difficult concepts.

A MICROSCALE APPROACH TO ORGANIC LABORATORY TECHNIQUES, 6E

Donald L. Pavia, *Western Washington University*; George S. Kriz, *Western Washington University*; Gary M. Lampman, *Western Washington University*; Randall G. Engel, *North Seattle Community College*

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Taking an organic chemistry laboratory course? You need a laboratory textbook you can trust! This proven book gives you what you need to conduct a variety of interesting microscale experiments with safety and ease -- while you develop an understanding of the

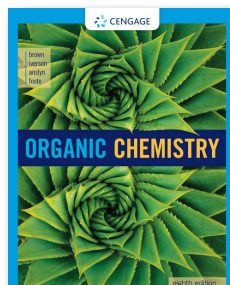
special techniques these types of experiments require.

ORGANIC CHEMISTRY, 8E

William H. Brown, *Beloit College*; Brent L. Iverson, *University of Texas, Austin*; Eric Anslyn, *University of Texas, Austin*; Christopher S. Foote, *University of California, Los Angeles*

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Master course concepts and improve problem-solving skills with ORGANIC CHEMISTRY, 8th Edition. This student-friendly text focuses on "how to" skills, and includes examples, problems, and end-of-chapter comprehensive study guides to help you

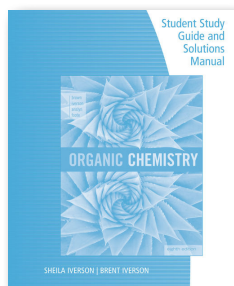
prepare for exams. To help you understand reaction mechanisms, the authors offset them in a stepwise fashion and emphasize similarities between related mechanisms using just four different characteristics: breaking a bond, making a new bond, adding a proton, and taking a proton away. Thoroughly updated, the book offers numerous biological examples for premed students, unique roadmap problems, a wide range of in-text learning tools, and new author-created videos to help you excel.

STUDENT STUDY GUIDE AND SOLUTIONS MANUAL FOR BROWN/IVERSON/ANSLYN/FOOTE'S ORGANIC CHEMISTRY, 8TH EDITION, 8E

Brent L. Iverson, *University of Texas, Austin*; Sheila Iverson, *University of Texas at Austin*

© 2018, Paperback, 9781305864504

eBook



Prepare for exams, build problem-solving skills, and get the grade you want with this comprehensive guide! Offering detailed solutions to all in-text and end-of-chapter problems, this guide helps you achieve a deeper intuitive understanding of chapter

material through constant reinforcement and practice. As a result, you'll be much better prepared for in-class quizzes and tests, as well as for national standardized tests such as the DAT and MCAT.

NEW EDITION

MACROSCALE AND MICROSCALE ORGANIC EXPERIMENTS, 8E

Kenneth L. Williamson, *Mount Holyoke College, Emeritus*; Katherine M. Masters, *Pennsylvania State University*

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OWLv2 eBook



Get ready to learn and work in the organic chemistry lab with Williamson/Masters' MACROSCALE AND MICROSCALE ORGANIC EXPERIMENTS, 8th Edition. Within each chapter, you'll find new graphic color images and concise text to engage you more deeply in

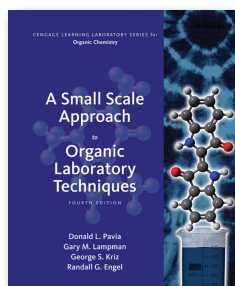
the lab experience. Features like "Lab Logics!" and "Mind Your Mechanisms" will require you to think as you complete the steps necessary in each experiment. The spiral-bound text will make it easier to read along in the textbook while you're in lab. Using the manual's mix of macroscale and microscale experiments, you'll gain the knowledge and confidence you need to perform a wide variety of lab techniques and experiments, and you will also gain experience working with conventionally-sized glassware.

A SMALL SCALE APPROACH TO ORGANIC LABORATORY TECHNIQUES, 4E

Donald L. Pavia, *Western Washington University*; George S. Kriz, *Western Washington University*; Gary M. Lampman, *Western Washington University*; Randall G. Engel, *North Seattle Community College*

© 2016, 1024pp, Hardback, 9781305253926

eBook



Organic chemistry may be difficult, but understanding lab procedures doesn't have to be. With A SMALL SCALE APPROACH TO ORGANIC LABORATORY TECHNIQUES, 4e, you'll receive step-by-step instructions and explanations that take the

mystery out of lab time. From green chemistry, biofuels, and nanotechnology to experiments that have a biological or health science focus, this laboratory textbook provides the up-to-date coverage you'll need in your course work and future career.

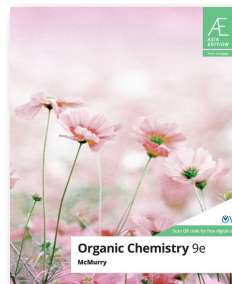
AE ORGANIC CHEMISTRY, 9E

John E. McMurry, *Cornell University*

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OWLv2

AsiaTitle



The most trusted and best-selling text for organic chemistry just got better! Updated with more coverage of nuclear magnetic resonance spectroscopy, expanded with new end-of-chapter mechanism problems and Practice Your Scientific

Reasoning and Analysis questions, and enhanced with OWLv2, the latest version of the leading online homework and learning system for chemistry, John McMurry's ORGANIC CHEMISTRY continues to set the standard for the course. The Ninth Edition also retains McMurry's hallmark qualities: comprehensive, authoritative, and clear. McMurry has developed a reputation for crafting precise and accessible texts that speak to the needs of instructors and students. More than a million students worldwide from a full range of universities have mastered organic chemistry through his trademark style, while instructors at hundreds of colleges and universities have praised his approach time and time again.

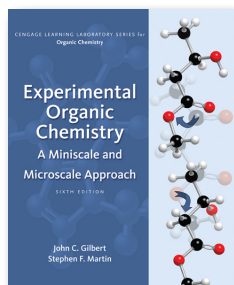
EXPERIMENTAL ORGANIC CHEMISTRY, 6E

A Miniscale & Microscale Approach

*John C. Gilbert, Santa Clara University, Santa Clara, CA;
Stephen F. Martin, University of Texas at Austin*

© 2016, 960pp, Hardback, 9781305080461

eBook



Perform chemistry experiments with skill and confidence in your organic chemistry lab course with this easy-to-understand lab manual. EXPERIMENTAL ORGANIC CHEMISTRY: A MINISCALE AND MICROSCALE APPROACH, Sixth Edition

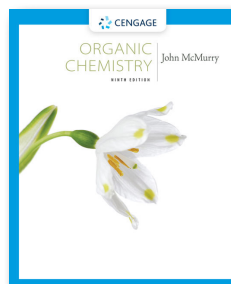
first covers equipment, record keeping, and safety in the laboratory, then walks you step by step through the laboratory techniques you'll need to perform all experiments. Individual chapters show you how to use the techniques to synthesize compounds and analyze their properties, complete multi-step syntheses of organic compounds, and solve structures of unknown compounds. New experiments in Chapter 17 and 18 demonstrate the potential of chiral agents in fostering enantioselectivity and of performing solvent-free reactions. A bioorganic experiment in Chapter 24 gives you an opportunity to accomplish a mechanistically interesting and synthetically important coupling of two α -amino acids to produce a dipeptide.

ORGANIC CHEMISTRY, 9E

John E. McMurry, Cornell University

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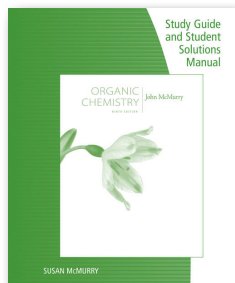
The most trusted and best-selling text for organic chemistry just got better – now updated with more coverage of nuclear magnetic resonance spectroscopy, expanded with new end-of-chapter mechanism problems and Practice Your Scientific

Reasoning and Analysis questions, and enhanced with new media-based OWLv2 problems.

STUDY GUIDE WITH STUDENT SOLUTIONS MANUAL FOR MCMURRY'S ORGANIC CHEMISTRY, 9TH, 9E

John E. McMurry, Cornell University

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Study more effectively and improve your performance at exam time with this comprehensive guide! Written by Susan McMurry, the Study Guide and Solutions Manual provide answers and explanations to all in-text and end-of-chapter exercises. Content

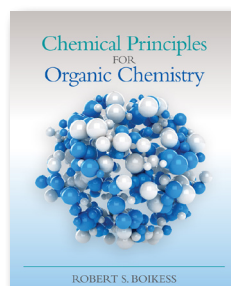
has been updated to match the new in-text and end-of-chapter exercises.

CHEMICAL PRINCIPLES FOR ORGANIC CHEMISTRY

Robert Boikess, Rutgers, the State University of New Jersey

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eBook



Succeed in your organic chemistry class with CHEMICAL PRINCIPLES FOR ORGANIC CHEMISTRY. Covering all the concepts that carry over from general chemistry to the organic course, the book helps you “unlearn” some of the approaches

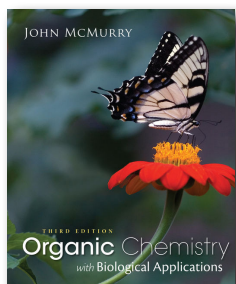
you learned in General Chemistry, learn new or different ones, and successfully apply concepts from General Chemistry to Organic Chemistry.

ORGANIC CHEMISTRY WITH BIOLOGICAL APPLICATIONS, 3E

John E. McMurry, Cornell University

© 2015, 1224pp, Hardback, 9781285842912

OWLv2 eBook



If you are preparing for a career in the health sciences, you will not find a better textbook than John McMurry's ORGANIC CHEMISTRY WITH BIOLOGICAL APPLICATIONS, third edition. Written by the author who has already

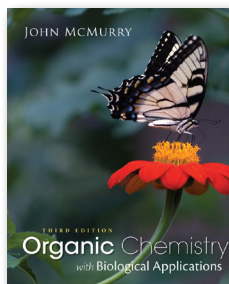
helped more than a million students master the content of the course, this text integrates biological examples throughout and juxtaposes almost every organic reaction with a biological counterpart to better prepare you for your future coursework and career.

STUDY GUIDE WITH SOLUTIONS MANUAL FOR MCMURRY'S ORGANIC CHEMISTRY: WITH BIOLOGICAL APPLICATIONS, 3RD, 3E

John E. McMurry, Cornell University

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eBook



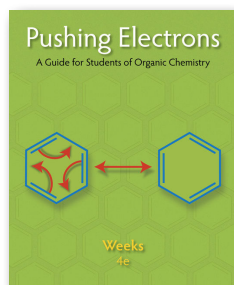
This Study Guide and Solutions Manual provide answers and explanations to all in-text and end-of-chapter exercises and include supplemental information to help enrich your chemistry experience.

PUSHING ELECTRONS, 4E

Daniel P. Weeks, Northwestern University

© 2014, 224pp, Paperback, 9781133951889

eBook



This brief guidebook assists you in mastering the difficult concept of pushing electrons that is vital to your success in Organic Chemistry. With an investment of only 12 to 16 hours of self-study you can have a better understanding of how to write resonance

structures and will become comfortable with bond-making and bond-breaking steps in organic mechanisms. A paper-on-pencil approach uses active involvement and repetition to teach you to properly push electrons to generate resonance structures and write organic mechanisms with a minimum of memorization. Compatible with any organic chemistry textbook. By Daniel P. Weeks. This brief text will help you develop a skill that is essential to learning organic chemistry and success in your course. By working through the program, you learn to push electrons to generate resonance structures and write organic mechanisms.

LAB MANUAL FOR ORGANIC CHEMISTRY: A SHORT COURSE, 13TH, 13E

T.K. Vinod, Western Illinois University; Leslie E. Craine, Central Connecticut State University

© 2012, 512pp, Paperback, 9781111425845

eBook



The Laboratory Manual includes an experiment on green chemistry, pre-laboratory exercises, and safety instructions.

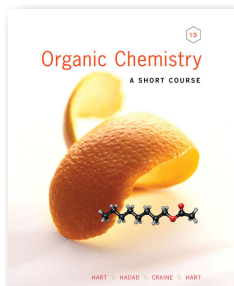
ORGANIC CHEMISTRY, 13E

A Short Course

Harold Hart, Michigan State University; Christopher M. Hadad, Ohio State University; Leslie E. Craine, Central Connecticut State University; David J. Hart, The Ohio State University

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Succeed in your course with this proven text's practical, real-life applications, coverage of basic concepts, and engaging visual style. The only text designed specifically for the one-semester short course, the book offers a writing style, approach, and selection of

topics ideal for the non-chemistry science major. This edition offers an updated, dynamic art program (online, on CD, and in the text), new content to keep you current with developments in the organic chemistry field, and a revised lab manual.

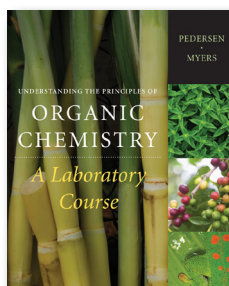
UNDERSTANDING THE PRINCIPLES OF ORGANIC CHEMISTRY

A Laboratory Course, Reprint

Steven F. Pedersen, University of California - Berkeley; Arlyn M. Myers, University of California - Berkeley

© 2011, 432pp, Hardback, 9781111428167

eBook



Experience the excitement of discovery using this innovative laboratory text! Offering a unique emphasis on fun, UNDERSTANDING THE PRINCIPLES OF ORGANIC CHEMISTRY: A LABORATORY COURSE uses green chemistry ideas and helps you develop the

skills you need to succeed in—and enjoy—the organic chemistry lab. As you master the basic techniques used in the organic lab, you'll develop skills you will use the rest of your life, such as careful observation and documentation, teamwork and collaboration, finding information in the literature, and proper disposal of chemicals.

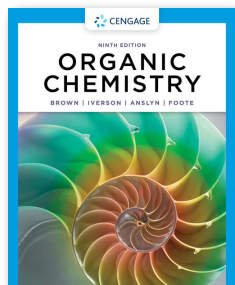
NEW EDITION

ORGANIC CHEMISTRY, 9E

William H. Brown, *Beloit College*; Brent L. Iverson, *University of Texas, Austin*; Eric Anslyn, *University of Texas, Austin*; Christopher S. Foote, *University of California, Los Angeles*

© 2023, 1408pp, Hardback, 9780357451861

OWLv2 eBook



ORGANIC CHEMISTRY, Ninth Edition, is revised to align with the way students approach complicated material. It includes pull-out organic chemistry reaction roadmaps organized by chapter to help you devise your own reaction pathways. Emphasizing practical

“how-to” skills, the new edition is packed with problems, along with hundreds of detailed solutions to all in-chapter exercises to guide you through logical approaches to solving problems. New point-by-point summaries at the beginning of each section highlight important content in a way that is easy to review and reference, while in-margin definitions and highlighted integral concepts reinforce key content throughout the text. In the eBook and OWLv2 course, there are 100 author-created videos that explain and illustrate the most difficult concepts.

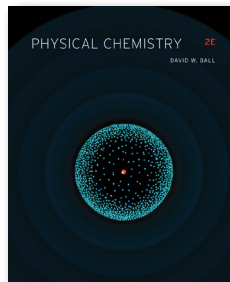
PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY, 2E

David W. Ball, *Cleveland State University*

© 2015, 880pp, Hardback, 9781133958437

eBook



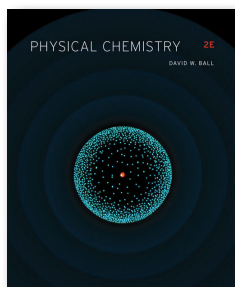
Learn physical chemistry in a functional and relevant way with the proven, easy-to-read approach of PHYSICAL CHEMISTRY, 2e. Focusing on core topics, the Second Edition follows a traditional organization and now features an increased focus on

thermochemistry, as well as new problems, new two-column examples, and a dynamic new four-color design. To help you succeed, the text also includes a review of calculus applications as applied to physical chemistry.

STUDENT SOLUTIONS MANUAL FOR BALL'S PHYSICAL CHEMISTRY, 2ND, 2E

David W. Ball, *Cleveland State University*

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Master problem-solving using the detailed solutions in this manual, which contains completely worked-out solutions to all odd end-of-chapter exercises and problems.

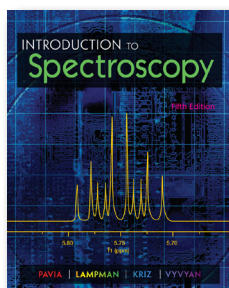
SPECTROSCOPY

INTRODUCTION TO SPECTROSCOPY, 5E

Donald L. Pavia, *Western Washington University*; Gary M. Lampman, *Western Washington University*; George S. Kriz, *Western Washington University*; James A. Vyvyan, *Western Washington University*

© 2015, 784pp, Paperback, 9781285460123

eBook



Whether you're an introductory student or need a reliable spectroscopy reference, INTRODUCTION TO SPECTROSCOPY, 5e, will exceed your expectations. This comprehensive resource helps you develop an understanding of the latest

advances in spectroscopy through a systematic introduction to spectra and basic theoretical concepts in spectroscopic methods. The book includes up-to-date spectra; a modern presentation of one-dimensional nuclear magnetic resonance (NMR) spectroscopy; an introduction to biological molecules in mass spectrometry; and coverage of modern techniques alongside DEPT, COSY, and HECTOR.

EARTH SCIENCES

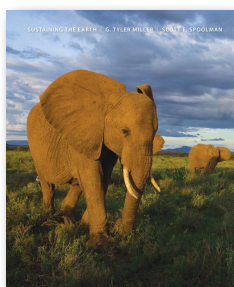
ENVIRONMENTAL SCIENCE

SUSTAINING THE EARTH, 11E

G. Tyler Miller Jr., *President, Earth Education and Research;*
Scott Spoolman

© 2015, 384pp, Paperback, 9781285769493

eBook



SUSTAINING THE EARTH provides the basic scientific tools for understanding and thinking critically about the environmental problems we face. About half the price of other environmental science texts, this 14-chapter, one-color core book offers an integrated approach that

emphasizes how environmental and resource problems and solutions are related. The new edition of SUSTAINING THE EARTH is fully updated with the latest statistics and reports of important scientific studies. New Connections boxes show surprising but important connections between environmental problems and aspects of daily life. In addition, new Thinking About boxes help students apply the concepts of the book to their own lives. Sustainability is the integrating theme of this current and thought-provoking book. The concept-centered approach transforms complex environmental topics and issues into key concepts that students will understand and remember. By framing the concepts with goals for more sustainable lifestyles and human communities, you will see how promising the future can be.

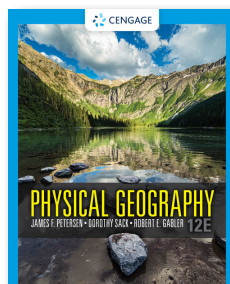
GEOGRAPHY

PHYSICAL GEOGRAPHY, 12E

James F. Petersen, *Emeritus, Texas State University;* Dorothy Sack, *Ohio University;* Robert E. Gabler, *Western Illinois University*

© 2022, 672pp, Hardback, 9780357142448

MindTap eBook



Take a unique look at the Earth as you examine its natural processes, complex systems and the reciprocal relationship between people and Earth's natural environment. Written by three of today's most respected geographers, Petersen/Sack/Gabler's

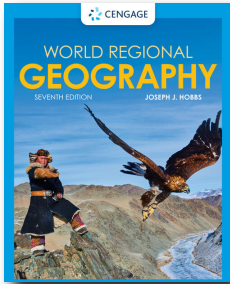
PHYSICAL GEOGRAPHY, 12E introduces geography from three perspectives: as a physical science, a spatial science and an environmental science. A reader-friendly presentation demonstrates the processes and interactions among Earth's systems and emphasizes environmental sustainability -- highlighting how natural systems are affected by human activities and how natural processes impact human lives. Updated, compelling visuals illustrate concepts with vivid photos, helpful figures and information-rich maps. This edition also explores dynamic areas of the Earth, such as the Pacific Ring of Fire, and examines the latest digital and drone technologies used in geographical research. MindTap digital tools and videos are available to assist in review.

WORLD REGIONAL GEOGRAPHY, 7E

Joseph J. Hobbs, University of Missouri, Columbia

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Equipping you with a real-world understanding of geography-related concepts, Hobbs' **WORLD REGIONAL GEOGRAPHY**, 7th Edition, introduces you to the eight world regions by providing the historical, cultural, economic, political and physical context that

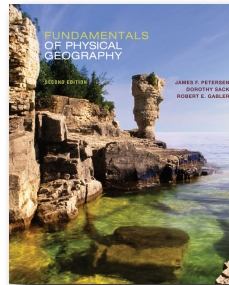
makes each unique, while MindTap empowers you with anywhere, anytime digital learning tools and interactive ArcGIS-powered mapping activities. The text's emphasis on the impact of human interaction on geography helps you see the relevance of the field in everyday life. The 7th edition spotlights COVID-19's capacity to change long-standing economic and migration patterns. It also delivers the most up-to-date coverage available on IPCC emissions scenarios, UN Sustainable Development Goals, the ongoing refugee crisis, Brexit, emerging geopolitical issues in the Middle East and North Africa, and much more.

FUNDAMENTALS OF PHYSICAL GEOGRAPHY, 2E

James Petersen, Texas State University, San Marcos; Dorothy Sack, Ohio University; Robert E. Gabler, Western Illinois University

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eBook



Cengage Learning's **FUNDAMENTALS OF PHYSICAL GEOGRAPHY** brings course concepts to life with interactive learning, study, and exam preparation tools along with market leading text content for introductory physical geography courses.

Whether you use a traditional printed text or all digital **FUNDAMENTALS OF PHYSICAL GEOGRAPHY** CourseMate alternative, it's never been easier to better understand the relationship between humans and physical geography, and how one impacts the other.

GEOLOGY

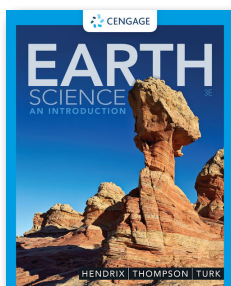
EARTH SCIENCE, 3E

An Introduction

Mark Hendrix, *University of Montana*; Graham R. Thompson, *University of Montana*

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MindTap eBook



Designed in direct response to student surveys, focus groups and interviews, Hendrix/Thompson's **EARTH SCIENCE: AN INTRODUCTION**, 3rd Edition, delivers concise yet comprehensive coverage in an engaging and accessible format for majors and non-

majors alike. The revised text brings concepts to life with current research and examples, a new-and-improved art program, over 150 new photos, and a clean, modern design. A second-to-none supplements package equips you with a wealth of resources, including MindTap--the digital learning solution that enables you to learn on your own terms.

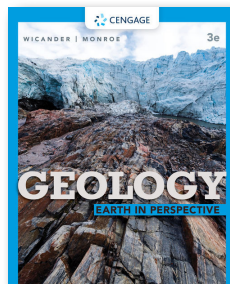
GEOLOGY, 3E

Earth in Perspective

James S. Monroe, *Central Michigan University, Emeritus*;
Reed Wicander, *Central Michigan University, Emeritus and University of Queensland, Adjunct Professor*

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MindTap eBook



Wicander/Monroe's **Geology: Earth in Perspective**, 3rd edition, brings geology to life while accommodating your busy lifestyle--and at a value-based price. It provides a complete overview of introductory geology in a succinct, engaging format.

Online videos, animations, interactive mapping, and other learning tools further your understanding of physical geology and its relevance to everyday life. The revised text incorporates the latest examples, case studies, and data, including natural disasters, renewable energy, new insight on paleoseismology, sustainability, and updated dating techniques that more accurately identify historic climate change periods. **GEO-FOCUS** boxes spotlight issues straight from the headlines, and economic and environmental geology topics are integrated throughout.

HISTORICAL GEOLOGY, 8E

Reed Wicander, *Central Michigan University, Emeritus and University of Queensland, Adjunct Professor*; James S. Monroe, *Central Michigan University, Emeritus*

© 2016, 448pp, Paperback, 9781305119567

MindTap eBook



Wicander and Monroe's HISTORICAL GEOLOGY offers comprehensive content for the historical geology course and provides you with an understanding of the principles of historical geology and how these principles are applied in

unraveling Earth's history. You will learn and understand the underlying causes of why things happened and the way they did, and how all of Earth's systems and subsystems are interrelated. You will understand the relevancy of Earth's history as part of a dynamic and complex integrated system, not as a series of isolated and unrelated events.

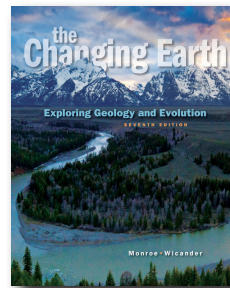
THE CHANGING EARTH, 7E

Exploring Geology and Evolution

James S. Monroe, *Central Michigan University, Emeritus*; Reed Wicander, *Central Michigan University, Emeritus and University of Queensland, Adjunct Professor*

© 2015, 736pp, Paperback, 9781285733418

eBook



THE CHANGING EARTH: EXPLORING GEOLOGY AND EVOLUTION, is a leader in the Introductory Geology course. Three interrelated themes (plate tectonics, organic evolution, and geologic time) help you understand that Earth is a complex, integrated, and

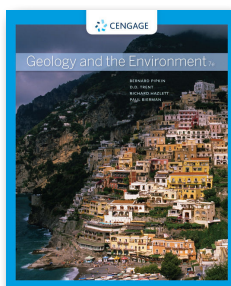
continually changing system. In the new edition authors James S. Monroe and Reed Wicander integrate new content emphasizing the economic impacts of geology. Topics such as fracking, nuclear waste, and the threat of earthquakes are covered in new Geo-Impact boxes that stress real-world applications. Lauded for their clear writing style, the authors go beyond simply explaining geology and its processes; rather, they place that knowledge within the context of human experience by consistently emphasizing relevance, resources, and the environment.

GEOLOGY AND THE ENVIRONMENT, 7E

Bernard W. Pipkin, University of Southern California; Dee D. Trent, Citrus College; Richard Hazlett, Pomona College; Paul Bierman, University of Vermont

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eBook



Cengage Learning's GEOLOGY AND THE ENVIRONMENT, in partnership with the National Geographic Society brings course concepts to life with interactive learning, study, and exam preparation tools along with market leading

text content for introductory geology courses. Whether you use a traditional printed text or all digital GEOLOGY AND THE ENVIRONMENT alternative, it's never been easier to explore the relationship between humans and the geologic hazards, processes, and resources that surround us.

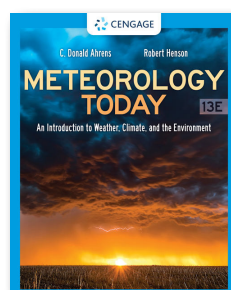
METEOROLOGY

METEOROLOGY TODAY: AN INTRODUCTION TO WEATHER, CLIMATE, AND THE ENVIRONMENT, 13E

C. Donald Ahrens, Modesto Junior College; Robert Henson, Weather Underground

© 2022, 736pp, Hardback, 9780357452073

MindTap eBook



Written by meteorologists C. Donald Ahrens and Robert Henson and grounded in the scientific method, METEOROLOGY TODAY: AN INTRODUCTION TO WEATHER, CLIMATE, AND THE ENVIRONMENT, 13th edition, shows you how

to observe, calculate and synthesize weather information as a scientist. Packed with engaging visuals, it provides the latest information on climate change, ozone depletion, air quality, El Niño and other key topics as well as discussions of recent high-profile weather events, including droughts, heat waves, tornado outbreaks and hurricanes. "Focus On" boxes help you delve deeper into meteorological observation methods and environmental issues, while case studies provide direct access to academic and newsworthy papers on recent developments. The MindTap for Meteorology digital platform includes concept check activities, animations and videos, and a variety of hands-on activities.

NEW EDITION

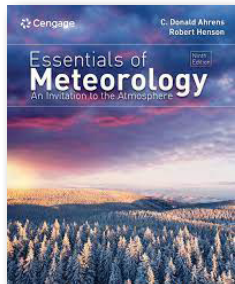
ESSENTIALS OF METEOROLOGY, 9E

An Invitation to the Atmosphere

C. Donald Ahrens, Modesto Junior College; Robert Henson, N/A

© 2024, 509pp, Paperback, 9780357857557

MindTap



ESSENTIALS OF METEOROLOGY: AN INVITATION TO THE ATMOSPHERE, Ninth Edition, is written for students interested in gaining insights into the dynamic workings of the atmosphere. The authors' ability to explain even

complicated ideas in an easy-to-understand way enables both science and non-science majors to visualize and understand important principles of meteorology. Online animations help bring text material to life and make it easier to understand the underlying concepts, and appendices offer the chance for in-depth exploration of meteorological data, such as world temperature and precipitation extremes over a 30-year period.

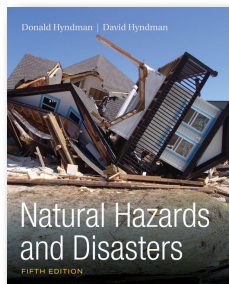
NATURAL HAZARDS & DISASTERS

NATURAL HAZARDS AND DISASTERS, 5E

Donald Hyndman, University of Montana; David Hyndman, Michigan State University

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Succeed in your course with NATURAL HAZARDS AND DISASTERS, 5e. The authors provide easy-to-understand coverage of the geological processes that underlie disasters, explore the impact these processes have on humans and vice versa, and analyze

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OCEANOGRAPHY

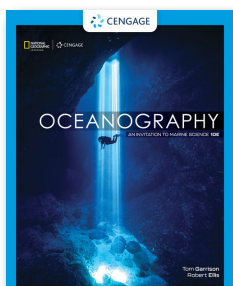
OCEANOGRAPHY, 10E

An Invitation to Marine Science

Tom S. Garrison, Orange Coast College; Robert Ellis, Orange Coast College

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Developed in partnership with the National Geographic Society, OCEANOGRAPHY: AN INVITATION TO MARINE SCIENCE, 10th edition gives you a basic understanding of the complexities and uncertainties involved in

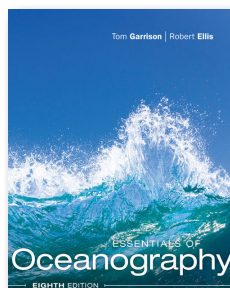
ocean use as well as its role in sustaining life on Earth. Thoroughly updated with the latest findings from the field, the text includes new coverage of important issues such as climate change. Emphasizing the science process throughout, it helps you see how concepts from other scientific fields relate to topics in oceanography. Co-author Robert Ellis draws from his experience managing research projects and educational programs throughout the world, and a diverse group of National Geographic Explorers share their unique insights on key concepts. In addition, MindTap equips you with a wealth of anywhere, anytime digital learning solutions.

ESSENTIALS OF OCEANOGRAPHY, 8E

Tom S. Garrison, Orange Coast College; Robert Ellis, Orange Coast College

© 2018, 325pp, Paperback, 9781337098649

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ESSENTIALS OF OCEANOGRAPHY introduces you to the complexities and uncertainties involved in ocean use and the importance of oceans in nurturing and sustaining life. Using exclusive content from the National

Geographic Society, this book illustrates the complexity and beauty of the ocean in a way that is both compelling and relatable. With the 8th Edition, bestselling authors Tom Garrison and Robert Ellis illustrate the interdisciplinary nature of marine science and give you the most dynamic and current introduction to oceanography available today.

ENVIRONMENTAL SCIENCE

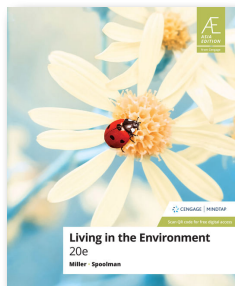
ENVIRONMENTAL SCIENCE

AE LIVING IN THE ENVIRONMENT, 20E

G. Tyler Miller Jr., *President, Earth Education and Research;*
Scott Spoolman

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In the new edition of **LIVING IN THE ENVIRONMENT**, authors Miller and Spoolman continue partnering with National Geographic Learning to deliver a text that equips students with the knowledge and inspiration they need to make a difference in solving

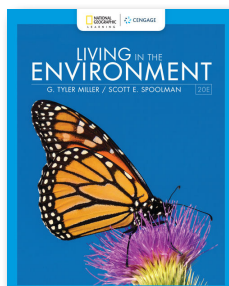
today's environmental issues. Using sustainability as the integrating theme, the 20th Edition provides clear introductions to multiple environmental problems and balanced evaluations of potential solutions. Core Case Studies spotlight important real-world issues, exercises throughout help students sharpen their critical-thinking skills and a continuing focus on learning from nature highlights principles and applications of biomimicry. MindTap's wealth of anywhere, anytime digital learning tools includes Debate and Defend activities that help students practice evidence-based decision-making, concept animations and conceptual learning activities.

LIVING IN THE ENVIRONMENT, 20E

G. Tyler Miller Jr., *President, Earth Education and Research;*
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Packed with captivating illustrations from National Geographic and MindTap's anywhere, anytime digital learning tools, Miller/Spoolman's **LIVING IN THE ENVIRONMENT**, 20th edition, empowers you with the knowledge and inspiration to make a

difference in solving today's environmental issues. Emphasizing sustainability, the authors offer clear introductions to numerous environmental problems and balanced discussions to evaluate potential solutions. Up-to-date coverage includes no-till farming, CRISPR gene editing, phosphate crisis, genetically engineered foods, lithium supplies, recycling threats, economics and climate change, and more. Exercises throughout sharpen your critical-thinking skills, while Core Case Studies help you apply what you've learned. MindTap's exclusive content includes concept animations and conceptual learning activities to help you understand key environmental issues.

AE ENVIRONMENTAL SCIENCE, 16E

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Partnering with National Geographic Learning, Miller and Spoolman deliver a text that equips students with the inspiration and knowledge to help solve modern environmental issues. ENVIRONMENTAL SCIENCE, 16th Edition, highlights important work of

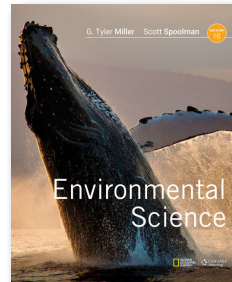
scientists and citizens, while photos, maps and illustrations bring course content to life. A concept-centered approach transforms complex topics into key concepts students understand. Using sustainability as their central theme, the authors emphasize natural capital, natural capital degradation, solutions, trade-offs and the importance of individuals. Students learn how nature works, how they interact with it and how humanity can continue to sustain its relationship with the earth by applying nature's lessons to economies and individual lifestyles. Available with MindTap, the platform that gives instructors complete control of their course and powers students from memorization to mastery.

ENVIRONMENTAL SCIENCE, 16E

G. Tyler Miller Jr., *President, Earth Education and Research;*
Scott Spoolman

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MindTap eBook



The 16th Edition of ENVIRONMENTAL SCIENCE is “inspiring people to care about the planet.” Partnering with National Geographic Learning, the authors Tyler Miller and Scott Spoolman deliver a text that equips and inspires you with the

tools and knowledge to make a difference solving today's environmental issues. Exclusive content highlights important work of National Geographic explorers and grantees and features vivid photos, maps and illustrations that bring course concepts to life. Using sustainability as their central theme, the authors emphasize natural capital, natural capital degradation, solutions, trade-offs and the importance of individuals. In return, you learn how nature works, how you interact with it and how humanity can continue to sustain its relationship with the earth by applying nature's lessons to economies and individual lifestyles.

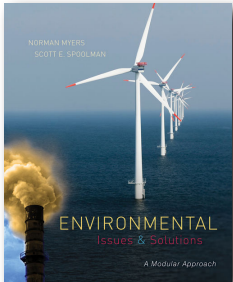
ENVIRONMENTAL ISSUES AND SOLUTIONS

A Modular Approach

Norman Myers; Scott Spoolman

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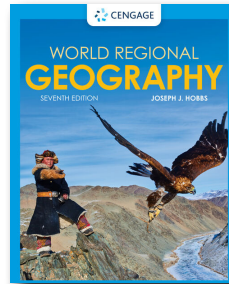
background to enable you to understand each issue. In order to find and apply solutions to these problems, they help you see that the problems are not insurmountable and that something can be done to achieve a sustainable future. The modular chapters provide full descriptions of each of the major environmental problems with real stories about what people are doing to tackle the resulting challenges. Available with InfoTrac® Student Collections <http://go.cengage.com/infotrac>.

WORLD REGIONAL GEOGRAPHY, 7E

Joseph J. Hobbs, University of Missouri, Columbia

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MindTap eBook



Equipping you with a real-world understanding of geography-related concepts, Hobbs' WORLD REGIONAL GEOGRAPHY, 7th Edition, introduces you to the eight world regions by providing the historical, cultural, economic, political and physical context that

makes each unique, while MindTap empowers you with anywhere, anytime digital learning tools and interactive ArcGIS-powered mapping activities. The text's emphasis on the impact of human interaction on geography helps you see the relevance of the field in everyday life. The 7th edition spotlights COVID-19's capacity to change long-standing economic and migration patterns. It also delivers the most up-to-date coverage available on IPCC emissions scenarios, UN Sustainable Development Goals, the ongoing refugee crisis, Brexit, emerging geopolitical issues in the Middle East and North Africa, and much more.

PHYSICS

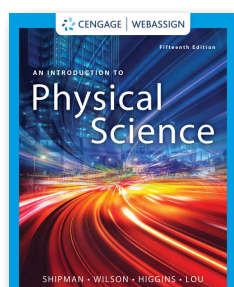
INTRODUCTION TO PHYSICAL SCIENCE

AN INTRODUCTION TO PHYSICAL SCIENCE, 15E

James T. Shipman, Ohio University; Jerry D. Wilson, Lander University; Charles A. Higgins, Jr., Middle Tennessee State University; Bo Lou, Ferris State University

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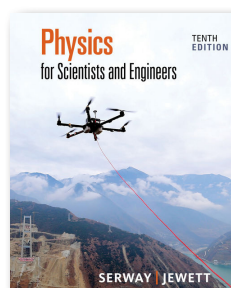
INTRODUCTORY PHYSICS

PHYSICS FOR SCIENTISTS AND ENGINEERS, 10E

Raymond A. Serway, James Madison University (Emeritus); John W. Jewett, California State Polytechnic University, Pomona

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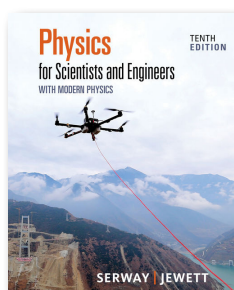
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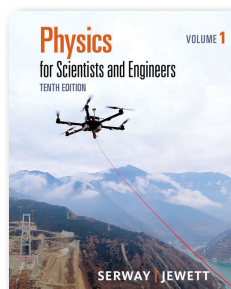
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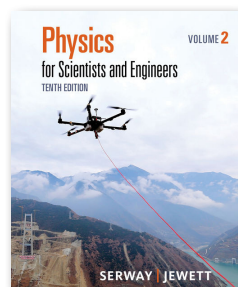
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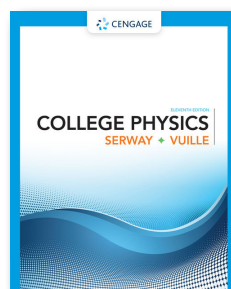
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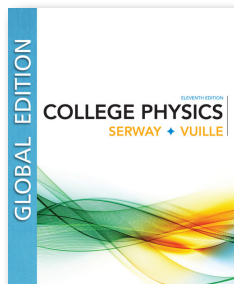
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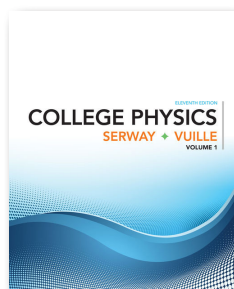
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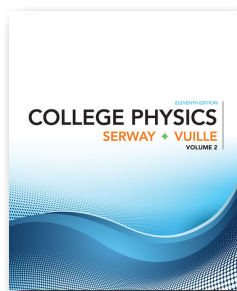
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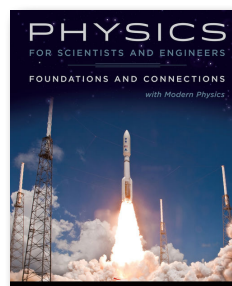
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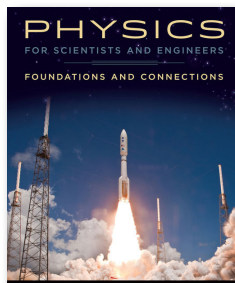
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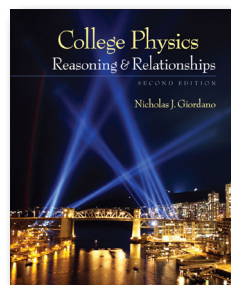
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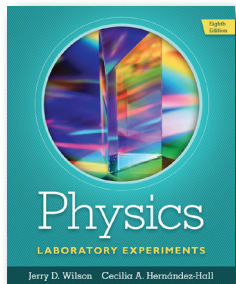


PHYSICS LABORATORY EXPERIMENTS, 8E

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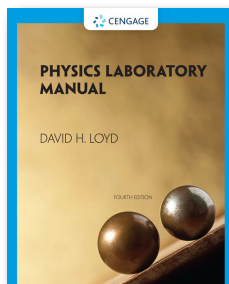
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David Loyd, Angelo State University

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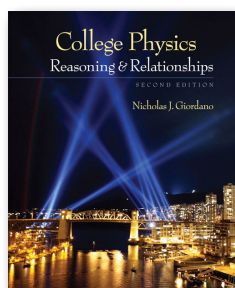
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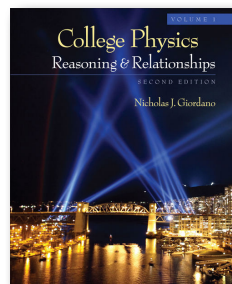
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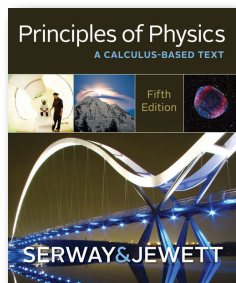
PRINCIPLES OF PHYSICS, 5E

A Calculus-Based Text

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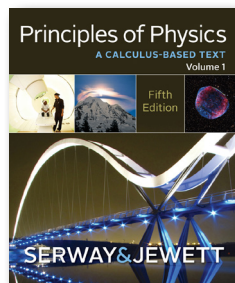
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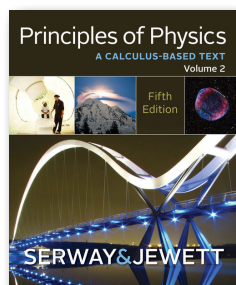
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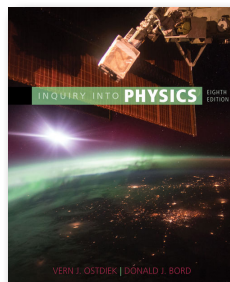
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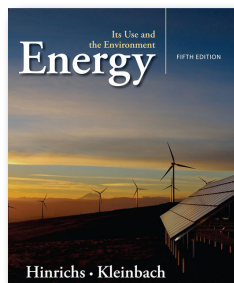
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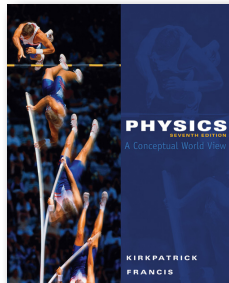
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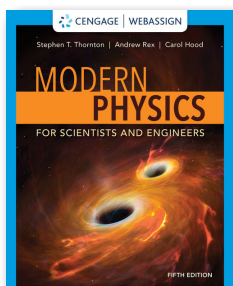
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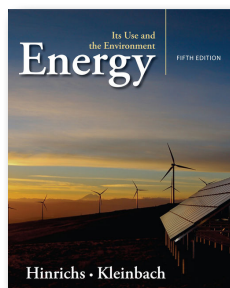
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