



Glencoe

Science

McGraw-Hill's Connect

Less Managing. More Teaching. Greater Learning. McGraw-Hill Connect is a Web-based assignment and assessment platform that makes it easy for teachers to better connect students with their coursework. Connections with every lecture are made stronger.

Manage with Ease

With *Connect*, enjoy simple course management so teachers can spend less time administering and more time teaching. They'll have access to rich course resources and tools that drive performance like never before.

Engage Students with Powerful Tools

Connect includes many features that help students learn faster, study more efficiently, and retain more knowledge.

Support Every Step of the Way

Now there's no need to build courses from the ground up. For more information, go to connectdemo.mcgraw-hill.com. Local sales representatives can provide pricing and availability.

McGraw-Hill's ARIS: The Smart Solution

The ARIS system is the smart solution because it is ready to use and customizable to specific needs.

- ◆ McGraw-Hill's ARIS — Assessment, Review, and Instruction System — is a complete online tutorial, electronic homework, and course management system, designed for greater ease of use than any other system available.
- ◆ For students, ARIS contains self-study tools such as animations, interactive quizzes, and more. This program enables students to complete their homework online, as assigned by their teachers.

ARIS takes the classroom beyond the limits of print.

Students have 24-hour access to practice sets and smart tutorial feedback to master curricula goals. Students also have access to animations, videos, and simulations which teachers can even assign as homework.

ARIS allows teachers to spend more time teaching.

With ARIS, building quizzes, homework assignments, tests, etc. are only a few clicks away. Teachers can create their own content or use pre-built assignments. Assignments are automatically graded.

ARIS gives teachers the student data they need.

ARIS' grade book functionality is extremely versatile. Student scores can be viewed in real time, allowing teachers to identify areas where they are struggling and build assignments and lecture accordingly.

For more information, go to aris.mhhe.com. Local sales representative can provide pricing and availability.

To see more titles and for current prices, please go to glencoe.com/apelectives or call 1-800-334-7344.

Anatomy & Physiology

Hole's Essentials of Human Anatomy and Physiology

Tenth Edition, © 2009

Shier • Butler • Lewis

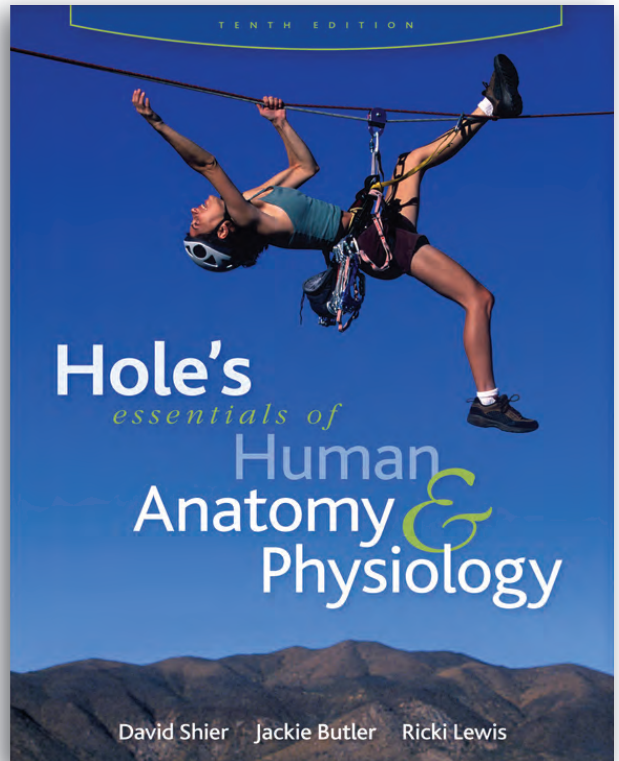


Best Seller!

Hole's Essentials of Human Anatomy and Physiology assumes no prior science knowledge and supports core topics with clinical applications, making difficult concepts relevant to students pursuing careers in the allied health field. The unparalleled teaching system is highly effective in providing students with a solid understanding of the important concepts in anatomy and physiology.

- ◆ **Outcomes and Assessments** format has been incorporated throughout the text. The chapter starts with a list of outcomes directly tied to assessments found at the end of the chapter.
- ◆ **Foundations for Success** is specifically designed to help students learn how to study and efficiently use the tools available to them.
- ◆ **Key Terms** are boldfaced, defined within the chapter, and followed again by pronunciations when the term is first introduced in the text.
- ◆ **Clinical Connections** are short vignettes that help students make a vital real-life connection to the chapter material, and are integrated at the end of several chapters.
- ◆ **Chapter Opening Vignettes** immediately reveal the relevance of the material covered in the upcoming chapter. Vividly applying chapter principles, the vignettes may be familiar from recent news reports, others introduce new individuals, and still others may suggest possible careers. Several new chapter-opening vignettes can be found in this edition.
- ◆ **Review Exercises & Critical Thinking Questions** have been updated to help students check their understanding of the main ideas in the chapter. Critical thinking questions encourage students to apply information to clinical situations.

For more information, go to glencoe.com/shieress10



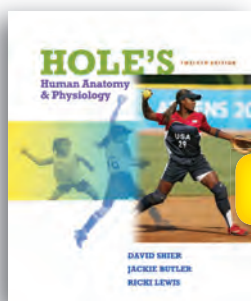
Anatomy & Physiology Revealed CD-ROM

Anatomy and Physiology Revealed is a multimedia tool designed to help students learn and review using a virtual human cadaver! Detailed cadaver photos layered upon one another provide an interactive dissection experience! *Anatomy & Physiology Revealed* includes four major areas: dissections, animations, imaging, anatomy terms, and an incredible self testing program. All sections combine to make study time efficient and lectures unforgettable.

Text (NASTA hardcover), 608 pp.	978-0-07-331750-2
Laboratory Manual	978-0-07-296567-4
Student Study Guide	978-0-07-296568-1
Transparencies (400)	978-0-07-296565-0
Anatomy and Physiology Revealed CD-ROM	978-0-07-337807-7
Anatomy and Physiology Revealed Student Access Card	978-0-07-337803-9
Anatomy and Physiology Revealed Workbook	978-0-07-337814-5
MediaPhys 3.0 CD-ROM	978-0-07-294582-9
Ph.I.L.S. 3.0 CD-ROM	978-0-07-334933-6

To see more titles and for current prices, please go to glencoe.com/aplectives or call 1-800-334-7344.

ANATOMY & PHYSIOLOGY



NEW

Hole's Human Anatomy & Physiology

Twelfth Edition, © 2010
Shier • Butler • Lewis



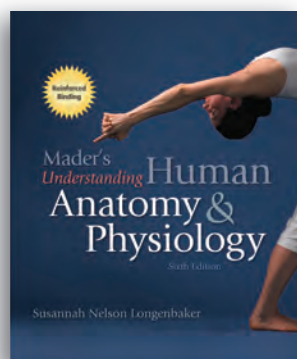
Updated Anatomy & Physiology classic

Hole's Human Anatomy & Physiology assumes no prior science knowledge by students and places an emphasis on the fundamentals. The twelfth edition continues to provide technology that offers students and teachers an incredible course solution! Technology like *Anatomy and Physiology Revealed* and the new Online Learning Center bring unprecedented opportunities to the classroom!

- Learning Outcomes and Assessments are incorporated throughout the text. The chapter starts with a list of outcomes and they are directly tied to assessments found at the end of the chapter.
- InnerConnections, multipurpose illustrations found at the end of systems chapters, link the highlighted body system to every other system, reinforcing the dynamic interactions of groups of organs.
- Clinical Coverage in the appropriate amount draws students into the material by showing the relevance of information presented helping students better understand a concept from a new perspective.

For more information, go to glencoe.com/shier12

Text (NASTA hardcover), 1040 pp.	978-0-07-892636-5
Laboratory Manual	978-0-07-728377-3
Student Study Guide	978-0-07-325108-0
Anatomy and Physiology Revealed CD-ROM	978-0-07-337807-7
Anatomy and Physiology Revealed Student Access Card	978-0-07-337803-9
Anatomy and Physiology Revealed Workbook	978-0-07-337814-5
MediaPhys 3.0 CD-ROM	978-0-07-294582-9
Ph.I.L.S. 3.0 CD-ROM	978-0-07-334933-6



Mader's Understanding Human Anatomy & Physiology

Sixth Edition, © 2008
Longenbaker



Highly effective learning system

Respected author Sylvia Mader has helped thousands of students understand and enjoy the principles of human anatomy and physiology. Susannah Longenbaker builds on Dr. Mader's format and style while adding new clinical information, terminology and classroom-tested features such as Focus on Forensics readings and in-text Content Check-Up questions. Drawing on over twenty years of teaching experience, Longenbaker writes for the next generation of students that will learn anatomy and physiology from this classic textbook.

- **Logical, accessible writing style** includes many relevant examples, artwork, and analogies.
- **Direct Application** to careers in health-related fields is included.
- **Content Check-Ups**, found after major sections of each chapter, assess student comprehension.
- **McGraw-Hill's ARIS** (Assessment, Review, and Instruction System) Visit aris.mhhe.com or contact your local sales representative for details. More information is available on page 26.

For more information, go to mhhe.com/maderap6

Text (NASTA hardcover), 496 pp.	978-0-07-334984-8
Instructor Testing and Resource CD-ROM	978-0-07-294585-0
Transparencies	978-0-07-294587-4



New Edition!

NEW

Anatomy and Physiology

Tenth Edition, © 2011
Seeley • Stephens • Tate

Fosters problem solving

This text is designed to help students develop a solid, basic understanding of anatomy and physiology without an encyclopedic presentation of detail. Great care has been taken to select important concepts and to perfectly describe the anatomy of cells, organs, and organ systems.

The authors provide explanations of how the systems respond to aging, changes in physical activity, and disease.

- **Increased Clinical Coverage** has been added to the eighth edition.
- **Genetics Material** provides a basic introduction to genetics.
- A highly regarded realistic anatomical art program with richly textured bones and artfully colored muscles and organs give a true understanding to the material. Seeley's artwork also offers a multi-level perspective to better depict difficult physiological processes.
- **McGraw-Hill's Connect** is a Web-based assignment and assessment platform that makes it easy for teachers to better connect students with their coursework. Visit connectdemo.mcgraw-hill.com. More information is available on page 26.

For more information, go to mhhe.com/seeley9

Text (hardcover), 1264 pp.	978-0-07-735003-1
Student Study Guide	978-0-07-325078-6
Connect Access Card	978-0-07-729109-9
Connect Plus Access Card	978-0-07-737193-7

To see more titles and for current prices, please go to glencoe.com/aplectives or call 1-800-334-7344.

Biology

Biology

Tenth Edition, © 2010
Mader

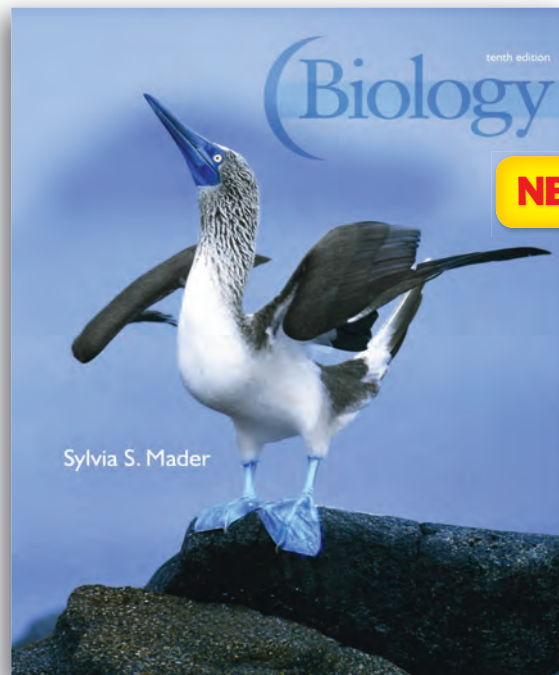
Clear writing and presentation of essential biology

Biology is a comprehensive introductory textbook that covers biology in a traditional order from the structure and function of the cell to the organization of the biosphere.

Its concise, precise writing uses an economy of words to present the material as succinctly and as clearly as possible, thereby enabling students to understand the concepts without necessarily asking the teacher to explain further. Against a visually inviting backdrop, Mader is able to create very effective images depicting the concepts of biology.

- ◆ **Advanced Placement supplements** have been created for the needs of the AP classroom.
- ◆ The **genetics chapters** are updated and revised to review the latest findings and molecular techniques, particularly with regard to genomics.
- ◆ The **evolution chapters** present the latest findings regarding natural selection, speciation, and how to discover evolutionary relationships utilizing cladistical analyses.
- ◆ **New findings**, including evolution of protists, plants, and animals are presented.
- ◆ **Bioethical Issue topics** end many chapters and present both sides of contemporary issues, such as the use of alternative medicines available over the counter.
- ◆ **Connecting the Concepts boxes** appear at the end of most chapters and establish connections between the concepts of the chapter and other concepts throughout the book.

For more information, go to
glencoe.com/mader10



Text (NASTA hardcover), 907 pp.	978-0-07-891694-6
Student Edition with AP Achiever	978-0-07-894441-3
AP Achiever Test Prep	978-0-07-892840-6
Lab Manual	978-0-07-722617-6
Biology Digital Video Clips	978-0-07-312155-0
How to Study Science	978-0-07-234693-0
LearnSmart Access Card	978-0-07-735062-8

To see more titles and for current prices, please go to glencoe.com/apselectives or call 1-800-334-7344.

AP/HONORS/ELECTIVES

BIOLOGY



Biology

Ninth Edition, © 2011

Raven, et al.



Exciting problem-solving presentation of modern biology

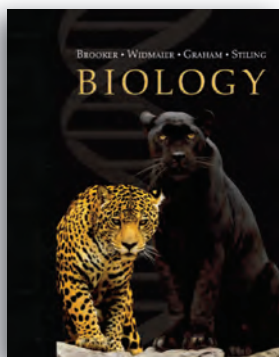
Biology, an authoritative text with a diverse author team, focuses on the process of evolution to explain biodiversity. The book emphasizes problem solving and the scientific method in its approach to cutting-edge content.

The use of historical and experimental approaches throughout allows students to not only see where the field is now, but more importantly, how it was arrived. The authors have tried to keep as much historical context as possible and provide information within an experimental framework throughout the text.

• **A dynamic author team** is comprised of Jonathan Losos, Evolutionary Biologist, Harvard University; Ken Mason, Molecular Biologist, Purdue University; and Susan Singer, Plant Geneticist, Carleton College. The author team successfully modernized the content, while maintaining the historical context to the subject matter.

For more information, go to glencoe.com/raven8

Text (hardcover), 1376 pp.	978-0-07-893649-4
Biological Investigations Lab Manual	978-0-07-338305-7
Biology Laboratory Manual	978-0-07-338306-4



Biology

First Edition, © 2008

Brooker



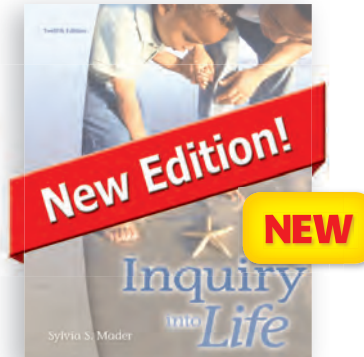
Comprehensive, modern text featuring an evolutionary focus with an emphasis on scientific inquiry

Hypothesis-testing and discovery-based science are at the core in *Biology*. An experimental focus throughout the entire text helps students understand how biological principles emerge.

- **McGraw-Hill's ARIS** (Assessment, Review, and Instruction System) is described on page 26.
- **Feature Investigation** in every chapter describes the scientific process.

For more information, go to mhhe.com/brookerbiology

Text (NASTA hardcover), 1488 pp.	978-0-07-334983-1
Biology Laboratory Manual	978-0-07-332398-5
Biological Investigations Lab Manual	978-0-07-332399-2
Student Study Guide	978-0-07-299588-6



Inquiry Into Life

Thirteenth Edition, © 2011

Mader



Basic biological concepts and processes with a human emphasis

The unique delivery of biology content, the time-tested art program, and the complete integration of the text with technology form a teaching system that both motivates and enables students to understand and appreciate the wonders of all areas of biology. *Inquiry into Life* emphasizes the application of all areas of biology to knowledge of human concerns—to which the students are able to relate. This distinctive text was developed to stand apart from all other non-majors texts with a unique approach, unparalleled art, and a straightforward, succinct writing style that has been acclaimed by both users and reviewers.

- More critical-thinking emphasis is provided at the end of each Focus boxed reading and at the end of each chapter.
- An emphasis on the scientific process begins with a new, expanded explanation of the scientific process. Science Focus readings throughout the text discuss recent biological research in the area under discussion.

For more information, go to mhhe.com/maderinquiry13

Text (hardcover), 832 pp.	978-0-07-728010-9
Lab Manual	978-0-07-729743-5
Biology Digitized Video Clips	978-0-07-312155-0
Photo Atlas for General Biology	978-0-07-284610-2
How to Study Science	978-0-07-234693-0

To see more titles and for current prices, please go to glencoe.com/aplectives or call 1-800-334-7344.

BIOLOGY



Essentials of the Living World

Third Edition, © 2010

Johnson • Losos

Focuses on the “hows” and “whys”

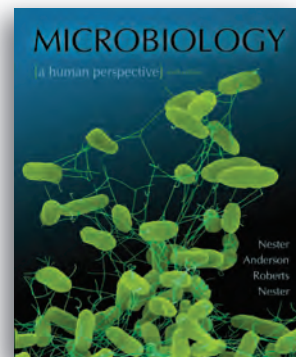
Written from the ground up to be an engaging and accessible learning tool, this text emphasizes how things work and why things happen the way they do. The multimedia package for this edition stretches students beyond the confines of the traditional textbook to include high interest video clips and animations of key biological concepts.

- **Inquiry and Analysis** appears at the end of all chapters and helps students with developing their skills in analyzing and interpreting data.
- The **Biology** chapter focuses on gene technology, genomics, and recent discoveries in cell technology.
- **McGraw-Hill’s Connect** is a Web-based assignment and assessment platform that makes it easy for teachers to better connect students with their coursework. Visit connectdemo.mcgraw-hill.com. More information is available on page 26.

For more information, go to mhhe.com/tlwessentials3

Text (softcover), 768 pp.	978-0-07-728007-9
Connect Biology Access Card	978-0-07-726198-6

MICROBIOLOGY



Microbiology

Sixth Edition, © 2009

Nester

Authoritative with concise writing style

This text carefully explains the fundamentals of microbiology, providing a general overview of the principles followed by more detailed explanations. A body systems approach is used in the coverage of diseases.

For more information, go to mhhe.com/nester6

Text (hardcover), 978 pp.	978-0-07-725041-6
Microbiology Experiments	978-0-07-299549-7

Foundations in Microbiology

Seventh Edition, © 2009

Talaro

An accessible writing style—through tools such as case files and analogies—thoroughly explains difficult microbiology concepts. A taxonomic approach is used for the study of pathogens.

- Innovative features such as concept mapping and **Visual Understanding** questions (using art to make content connections between chapters) promote active learning.
- **Case Files**, chapter-opening, real-world scenarios, help students appreciate and understand how microbiology impacts lives on a daily basis.
- Twenty-five **new animations** have

For more information, go to mhhe.com/talaro7

Text (hardcover), 928 pp.	978-0-07-726057-6
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Human Genetics

Ninth Edition, © 2010

Lewis

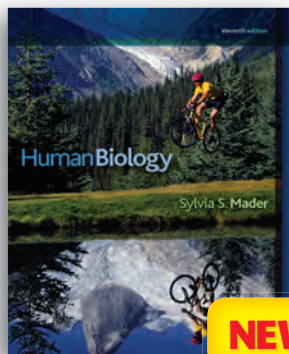
NEW

Human Genetics clearly explains what genes are, how they function, how they interact with the environment, and how our understanding of genetics has changed since completion of the human genome project.

A Second Look section has been added to the end of chapter material. This section contains questions about the opening case study the students can answer after they have mastered the chapter concepts.

For more information, go to glencoe.com/lewisgenetics9

Text (NASTA hardcover), 512 pp.	978-0-07-893646-3
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Human Biology

Eleventh Edition, © 2010

Mader

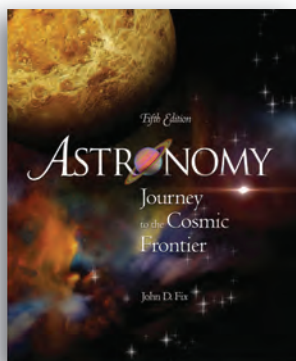
- **New Chapter Opening Case Studies** bring human biology to life. Each story line continues throughout the chapter and students find themselves absorbed in each of the characters.
- **New Have You Ever Wondered . . .** feature presents the types of spontaneous inquiries that students may have as they study the workings of the human body. Questions and answers can be serious or funny, but each feature captures the student’s attention.

For more information, go to mhhe.com/maderhuman11e

Text (softcover), 608 pp.	978-0-07-728011-6
Lab Manual	978-0-07-723513-0

To see more titles and for current prices, please go to glencoe.com/aplectives or call 1-800-334-7344.

ASTRONOMY



Astronomy

Journey to the Cosmic Frontier
Fifth Edition, © 2008

Fix

Provides strong scientific background

Astronomy: Journey to the Cosmic Frontier provides enough content and background in astronomy so that students are able to follow current developments in astronomy. The historical development of astronomy is emphasized to show that astronomy advances through the efforts of many scientists, and to show how present ideas have been developed.

- **Starry Night planetarium software** is now included free with each new text purchased. Starry Night Planetarium Software is the premier astronomy software package.

For more information, go to
mhhe.com/fix

Text (hardcover), 768 pp. 978-0-07-334721-9

Pathways to Astronomy

Second Edition, © 2009

Schneider · Army

Provides strong scientific background

Pathways to Astronomy breaks down the huge and fascinating field of astronomy into 84 units. The short length of the units makes it easy to digest the material covered before moving onto the next unit.

For more information, go to
mhhe.com/schneider

Text (softcover), 800 pp. 978-0-07-726311-9



Explorations

An Introduction to Astronomy
Sixth Edition, © 2010

Army

Current and student accessible

Explorations-An Introduction to Astronomy is well known for its writing style, accuracy, and emphasis on current information. Topics include coverage of recent missions, discussion of newly defined “dwarf planets,” Pluto’s new status, and the effects of special relativity on space travel.

- Updated images of Titan’s surface, H-R diagrams, Hubble Tuning Fork diagram, galaxy and galaxy cluster images, map of dark matter, and stellar evolution images are throughout the text.
- **Starry Night planetarium software**, now included free with each new text purchased, is the premier astronomy software package.
- **Extending Our Reach** boxes address challenging topics.

For more information, go to
glencoe.com/army6

Text (NASTA hardcover), 624 pp. 978-0-07-893547-3

CHEMISTRY



General Chemistry

Sixth Edition, © 2011

Chang

Pre AP • Honors
College Prep

Focuses on essential topics

General Chemistry strikes a balance between theory and application. The text incorporates real-world examples and develops problem-solving and critical thinking skills.

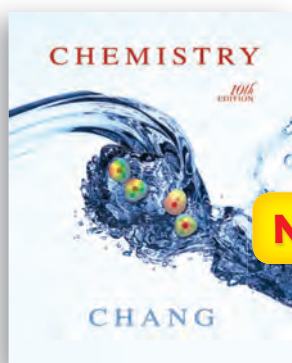
- New molecular images, which can be found in the text’s line art, figures of molecular reactions, and underlining an equation, were created using the Spartan software.
- Clear examples are demonstrated throughout the text. All of the worked examples assist students with step-by-step processes.
- Macroscopic to microscopic art pieces allow students to “zoom in” and see real-life examples of chemical reactions.
- **McGraw-Hill’s ARIS** (Assessment, Review, and Instruction System) is described on page 26.

For more information, go to
mhhe.com/chang

Text (hardcover), 832 pp.	978-0-07-735471-8
Cooperative Chemistry Lab Manual	978-0-07-305023-2
General Chemistry Laboratory Manual	978-0-07-331504-1
Hands-On Chemistry Laboratory Manual	978-0-07-253411-5
Workbook with Solutions	978-0-07-729611-7
Student Chemistry Lab Notebook-Spiral bound 100 sets	978-0-07-322834-1
Student Chemistry Lab Notebook-Spiral bound 50 sets	978-0-07-295285-8
Understanding Chemistry	978-0-07-255553-0
ARIS Access Card	978-0-07-729614-8

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AP/HONORS/ELECTIVES



NEW

Chemistry

Tenth Edition, © 2010



Chang

Develop students' problem-solving and critical-thinking skills

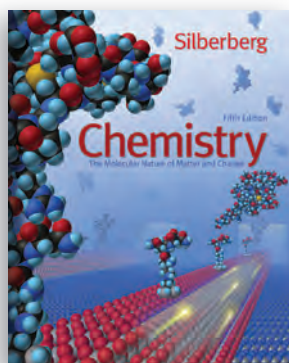
Chang's best-selling textbook features a straightforward, clear writing style and proven problem-solving strategies. It continues the tradition of providing a firm foundation in chemical concepts and principles while presenting a broad range of topics in a clear, concise manner.

This new edition of *Chemistry* continues to strike a balance between theory and application by incorporating real examples and helping students visualize the three-dimensional atomic and molecular structures.

- **New AP Supplements:** the AP Achiever, Advanced Placement test preparation guide, and the AP Teacher Manual were created for the needs of the AP Chemistry student and teacher.
- **New Review of Concepts** at the end of each section are a quick review question or set of questions (sometimes with a visual) to test student understanding of the concept just presented.

For more information, go to glencoe.com/chang10

Text (NASTA hardcover), 1184 pp.	978-0-07-891691-5
Student Edition with AP Achiever	978-0-07-894445-1
AP Achiever Test Prep	978-0-07-892839-0
Student Solutions Manual	978-0-07-322674-3
Student Study Guide	978-0-07-322676-7
Cooperative Chemistry Lab Manual (Cooper)	978-0-07-305023-2
Hands-On Chemistry Lab Manual (Paradis)	978-0-07-253411-5
General Chemistry Lab Manual (Van Koppen)	978-0-07-331504-1



Silberberg

Chemistry

The Molecular Nature of Matter and Change

Fifth Edition



Chemistry

Fifth Edition, © 2009

Silberberg

Unique student pedagogy

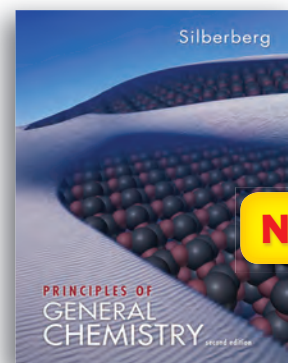
General Chemistry contains unprecedented macroscopic to microscopic molecular illustrations, consistent step-by-step worked exercises in every chapter, and an extensive range of end-of-chapter problems which provide engaging applications covering a wide variety of interests.

A ground-breaking art program combines photographs of chemical events with a coordinated molecular view of that event and with the equation that symbolically and quantitatively describes that event.

- **Advanced Placement Instructor Manual** was created for the needs of the AP classroom and is on the Online Learning Center.

For more information, go to glencoe.com/silberberg5

Text (NASTA hardcover), 1232 pp.	978-0-07-724101-8
Annotated Instructor Edition	978-0-07-304862-8
Student Study Guide	978-0-07-304861-1
Student Solutions Manual	978-0-07-304860-4
Cooperative Chemistry Lab Manual (Cooper)	978-0-07-305023-2
Hands-On Chemistry Laboratory Manual (Paradis)	978-0-07-253411-5
General Chemistry Lab Manual (Van Koppen)	978-0-07-331504-1



NEW

Principles of General Chemistry

Second Edition, © 2010



Silberberg

Streamlined delivery for general chemistry courses

Silberberg's *Principles of General Chemistry* appeals to today's efficiency-minded teachers and students. Principles allow for succinct coverage of content with minimal emphasis on pedagogic learning aids. This new approach offers a more straightforward approach to learning the core principles without sacrificing depth, clarity, or rigor.

- Core principles and skills target only the topics that a general chemistry course should include.
- Clear design absent of all margin notes and most margin artwork.
- **McGraw-Hill's ARIS** (Assessment, Review, and Instruction System). More information is available on page 26.

For more information, go to mhhe.com/silberberg

Text (hardcover), 912 pp.	978-0-07-727432-0
Student Study Guide	978-0-07-336732-3
Student's Solutions Manual	978-0-07-322664-4
Cooperative Chemistry Lab Manual (Cooper)	978-0-07-305023-2
Hands-On Chemistry Lab Manual (Paradis)	978-0-07-253411-5
General Chemistry Lab Manual (Van Koppen)	978-0-07-331504-1
ARIS Student Access Card	978-0-07-726386-7

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ENVIRONMENTAL



NEW

Environmental Science

Eleventh Edition, © 2010



NASTA
compliant

Cunningham • Cunningham

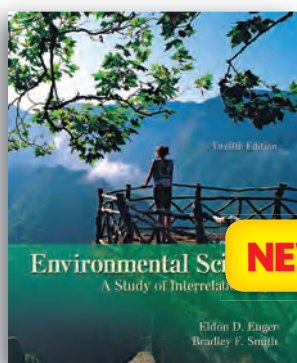
Emphasis on global awareness

Environmental Science: A Global Concern is a comprehensive presentation of environmental science which emphasizes critical thinking, environmental responsibility, and global awareness. The goal of this book is to provide an up-to-date, introductory global view of essential themes in environmental science, along with emphasis on details and case studies that helps students process and retain the general principles.

- Advanced Placement Test Prep Guide and Instructor Manual have been created for the needs of the AP classroom and is on the Online Learning Center.
- An emphasis on positive lessons is presented through recent events in environmental science.
- Google Earth placemarks take students to the specific place being discussed. Students can zoom in to see amazing detail and zoom out to gain a global perspective.

For more information, go to glencoe.com/cunningham11

Text (NASTA hardcover), 640 pp.	978-0-07-893640-1
AP Achiever	978-0-07-895046-9
Environmental Issues: Taking Sides	987-0-07-351445-1
Annual Editions: Environmental 09/10	987-0-07-351549-6
Sources: Notable Selections in Environmental Science	987-0-07-352758-1
Field and Laboratory Exercises	987-0-07-290913-5
Student Atlas of Environmental Issues	978-0-69-736520-0



NEW

Environmental Science

Twelfth Edition, © 2010



Enger

This full-color, introductory environmental science text is known for being concise, conceptual, and value-priced. The central theme of “interrelationships” provides a historical perspective, information on economic and political realities, and integrates the crucial science to describe the natural world and how we affect it. The approach and reading level cover the basic concepts without overloading students with too much detail.

Environmental science often seems to focus on the negative, and the many positive actions of individuals and organizations are often overlooked. Three new features call attention to the positive: Going Green case studies; Campus Sustainability Initiatives that highlights some of the many actions of students and colleges; and Thinking Green that asks students to consider making changes that will have a positive environmental impact.

For more information, go to glencoe.com/enger12

Text (NASTA hardcover), 512 pp.	978-0-07-893642-5
Environmental Issues: Taking Sides	987-0-07-351445-1
Annual Editions: Environmental 09/10	987-0-07-351549-6
Sources: Notable Selections in Environmental Science	987-0-07-352758-1
Field and Laboratory Exercises	987-0-07-290913-5
Student Atlas of Environmental Issues	978-0-69-736520-0

MARINE BIOLOGY



NEW

Marine Biology

Eighth Edition, © 2010

Castro • Huber

Marine Biology covers the basics of marine biology with a global approach, using examples from numerous regions and ecosystems worldwide. Solid basic science content is included, such as fundamental principles of biology, the physical sciences, and the scientific method.

Special Report feature highlights several key aspects of global change, including climate change, ocean acidification, the cascade of reactive nitrogen into the global environment, and stratospheric ozone depletion.

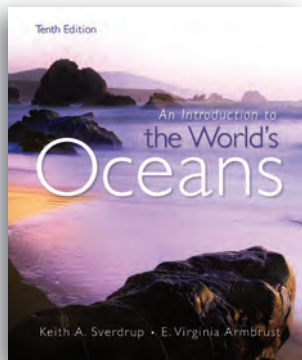
- Outstanding art program is illustrated by two professional illustrators with a strong reputation in the science field.
- A collection of eight laboratories and field investigations in marine biology has been specially written to be used with *Marine Biology*. Each of the exercises includes review questions that integrate information learned in the laboratory or field with material covered by the text. The exercises are available on the Online Learning Center for this text.

For more information, go to glencoe.com/castro8

Text (NASTA hardcover), 480 pp.	978-0-07-893673-9
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OCEANOGRAPHY



An Introduction to the World's Oceans

Tenth Edition, © 2009
Sverdrup • Armburst

An Introduction to the World's Oceans is written for students without a background in mathematics, chemistry, physics, geology, or biology. It emphasizes the role of basic scientific principles in helping to understand the processes that govern the ocean and the earth. To keep the text as current as possible, the authors conducted their own research and examined other findings such as analyzing satellite data and large-scale oceanographic programs.

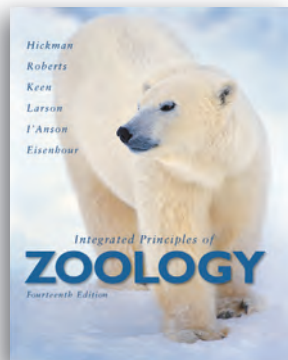
This text places greater emphasis on the physical and geological aspects of the oceans than on the chemical and geochemical properties, because the latter disciplines require more specific background knowledge. An ecological approach helps integrate the biological chapters with other subjects.

- Each chapter in this edition contains learning outcomes at the onset of the chapter.
- Rewritten Field Notes essays discuss new approaches to exploring the ocean to include the five-year Keck study that developed 40 new instruments.

For more information, go to
mhhe.com/sverdrup10e

Text (hardcover), 528 pp. 978-0-07-337670-7

ZOOLOGY



Integrated Principles of Zoology

Fourteenth Edition, © 2008
Hickman, Jr. et al.

Complete coverage

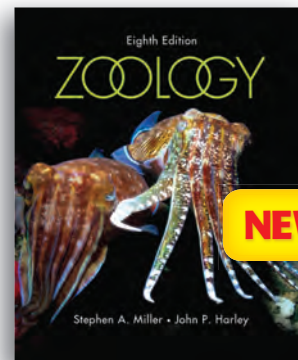
Featuring high quality illustrations and photographs set within an engaging narrative, *Integrated Principles of Zoology* is considered the standard by which other texts are measured. It features comprehensive coverage of biological and zoological principles, mechanisms of evolution, diversity, physiology, and ecology — organized into five parts for easy access.

- Digital Zoology provides students with an interactive guide to the specimens and materials that they will be studying. It offers additional invertebrate specimens, an interactive glossary, and the Read About feature provides a detailed look at the over 100 animal groups. Digital Zoology is now an Internet, web browser-based program run from the CD-ROM, or from the Web site: digitalzoology.com.
- McGraw-Hill's Presentation Center, on the online learning center, contains assets such as art, photos, tables, PowerPoint® presentations, and other media types.

For more information, go to
mhhe.com/hickmanipz14e

Text (hardcover), 928 pp.	978-0-07-722126-3
Instructor Testing and Resource CD-ROM	978-0-07-332809-6
Laboratory Studies	978-0-07-297005-0
Essential Study Partner	978-0-07-232822-6
Digital Zoology 2.0 with Workbook	978-0-07-256481-5
Taxonomic Wall Chart	978-0-07-291786-4

PLANT BIOLOGY



Zoology

Eighth Edition, © 2010
Miller • Harley

Accessible approach

This principles-oriented text continues to offer students an introductory zoology text that is manageable in size and adaptable to a variety of course formats.

Zoology covers the common life processes, the genetic basis of evolution, evolutionary and ecological principles, animal organization, animal adaptations, and animal form and function using a comparative approach.

For more information, go to
mhhe.com/millerharley7e

Text (hardcover), 608 pp. 978-0-07-302820-0

Introductory Plant Biology

Twelfth Edition, © 2011

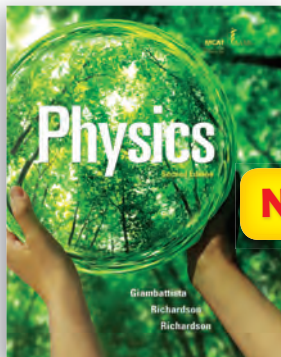
Stern

This introductory text assumes little prior scientific knowledge on the part of the student. It is arranged so that certain sections can be omitted without disrupting the overall continuity of the course. The author emphasizes current interests while presenting basic botanical principles.

Text (hardcover), 640 pp. 978-0-07-304052-3
Laboratory Manual 978-0-07-304053-0

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PHYSICS



NEW

Physics

Second Edition, © 2010

Giambattista, et al.

Traditional approach

Physics was developed from the notes and experiences of authors sitting next to students in study labs explaining physical principles. The authors found that students were able to grasp and remember principles better if they were discussed within the context of familiar and relative examples.

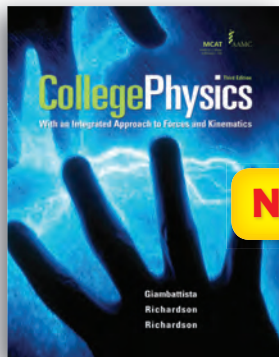
Every example includes strategy, solution, discussion, and a practice problem (with the answer at end-of-chapter). Care is taken to make sure that students are equipped with tools to solve problems and that they do not just memorize steps to solve that one example problem.

Physics covers forces in the traditional manner, leading with kinematics and not integrating forces. The text offers an incredible visual program that combines “showcase” pieces with simpler, diagrammatic pieces to aid student understanding.

- **McGraw-Hill’s ARIS** (Assessment, Review, and Instruction System) is an electronic homework and course management system designed for flexibility, power, and ease of use. Visit aris.mhhe.com or contact your local sales representative for details. More information is available on page 26.

For more information, go to mhhe.com/grr

Text (hardcover), 1200 pp.	978-0-07-733968-5
Student Solutions Manual	978-0-07-334892-6



NEW

College Physics

Third Edition, © 2010

Giambattista, et al.

Unique approach

College Physics builds a conceptual framework as motivation for the physical principles. With consistent problem-solving coverage strategies, stunning art, extensive end-of-chapter material, and superior media support, this text offers the best tools available.

McGraw-Hill’s ARIS (Assessment, Review, and Instruction System) is described on page 26.

For more information, go to mhhe.com/grr

Text (hardcover), 1216 pp.	978-0-07-726321-8
Student Solutions Manual	978-0-07-352918-9

The Physics of Everyday Phenomenon

Sixth Edition, © 2009

Griffith

Conceptual physics

The Physics of Everyday Phenomena introduces students to the basic concepts of physics using examples of common occurrences. This book is written in a narrative style, frequently using questions designed to draw the reader into a dialogue about the ideas of physics.

Beginning students benefit from the large number of student aids and the reduced math content. Teachers appreciate the organization of the material and the wealth of pedagogical tools.

Student Text (hardcover), 528 pp.	978-0-07-351211-2
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FORENSICS



Introduction to Forensic Science and Criminalistics

First Edition © 2008

Gaensslen, et al.

Written by authors with close to one hundred combined years of forensic experience, this introductory text features comprehensive coverage of the types of forensic work done by crime laboratories and private examiners. The text’s premise is that being a scientist is not required for understanding and using forensic science, but that a greater understanding of science lends itself to better use of the techniques of forensic science.

Text (hardcover), 448 pp.	978-0-07-298848-2
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GEOLOGY

Physical Geology

Thirteenth Edition, © 2010

Plummer • Carlson

NEW

Physical Geology has helped countless students learn basic physical geology concepts for over 25 years. Students appreciate the accessible writing style and depth of coverage in this text. Hundreds of carefully rendered illustrations and accompanying photographs correlate perfectly with the chapter descriptions to help readers quickly grasp new geologic concepts.

- New discoveries about planets and other bodies in our solar system, including the downgrading of Pluto from a planet, are covered.

For more information, go to mhhe.com/plummer12e

Text (hardcover), 672 pp.	978-0-07-337671-4
Laboratory Manual (Zumberge)	978-0-07-305149-9
Laboratory Manual (Jones)	978-0-07-352413-9

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