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Chemistry

The Molecular Science

[Jones & Bartlett Learning](#) Textbook outlining concepts of molecular science

Chemistry

An Introduction to Organic, Inorganic and Physical Chemistry

[Pearson Education](#) Chemistry provides a robust coverage of the different branches of chemistry - with unique depth in organic chemistry in an introductory text - helping students to develop a solid understanding of chemical principles, how they interconnect and how they can be applied to our lives. "Covers Physical Chemistry in an accessible format for first years...good for covering the gap between varied levels of knowledge from different schools' curricula and the mcuh more demanding University courses." - Dr Ritu Katakya, DEPT OF CHEMISTRY, UNIVERSITY OF DURHAM

Master the GED: Mastering the Science Test

Chapter 8 of 16

[Peterson's](#) Peterson's Master the GED: Mastering the Science Test offers readers a complete look at the GED Science Test. Readers will learn all about the GED Science test, including What's tested and what's not tested Formats used Subject areas Question types based on the four skill areas Application questions Questions based on visual depictions General test-taking strategies to score high Master the GED: Mastering the Science Test is part of Master the GED 2011, which offers readers 3 full-length practice tests and in-depth subject review for each of the GED tests-Language Arts, Writing (Parts I and II); Language Arts, Reading; Social Studies (including Canadian history and government); Science; and Mathematics (Parts I and II)-as well as top test-taking tips to score high on the GED.

Ebook: Organic Chemistry

[McGraw Hill](#) Serious Science with an Approach Built for Today's Students Smith's Organic Chemistry continues to breathe new life into the organic chemistry world. This new fourth edition retains its popular delivery of organic chemistry content in a student-friendly format. Janice Smith draws on her extensive teaching background to deliver organic chemistry in a way in which students learn: with limited use of text paragraphs, and through concisely written bulleted lists and highly detailed, well-labeled "teaching" illustrations. Don't make your text decision without seeing Organic Chemistry, 4th edition by Janice Gorzynski Smith!

Organic Chemistry II For Dummies

[John Wiley & Sons](#) A plain-English guide to one of the toughest courses around So, you survived the first semester of Organic Chemistry (maybe even by the skin of your teeth) and now it's time to get back to the classroom and lab! Organic Chemistry II For Dummies is an easy-to-understand reference to this often challenging subject. Thanks to this book, you'll get friendly and comprehensible guidance on everything you can expect to encounter in your Organic Chemistry II course. An extension of the successful Organic Chemistry I For Dummies Covers topics in a straightforward and effective manner Explains concepts and terms in a fast and easy-to-understand way Whether you're confused by composites, baffled by biomolecules, or anything in between, Organic Chemistry II For Dummies gives you the help you need — in plain English!

Mastering Medical Coding - E-Book

[Elsevier Health Sciences](#) This practical approach to coding provides a solid foundation in basic coding principles with an emphasis on learning through realistic physician documentation. It prepares students to tackle any coding scenario, from routine to complex. Chapters begin with an emphasis on basic coding documentation and rules to ensure correct coding for ICD-9-CM, CPT-4, and HCPCS. Progressively difficult coding exercises incorporate newly learned skills as readers advance through the material. The worktext portion of the book and the companion student workbook provide progressively difficult real-world exercises that build the necessary skills of identifying the right codes from real-world medical charts. Learning objectives, numerous examples, chapter reviews, and coding reference tools throughout provide the necessary learning tools to fully master basic and advanced coding concepts. Coding reference tools make it easy to find important chapter points. Basic ICD-9-CM and CPT-4 coding concepts are utilized, simplifying the coding of complex cases. Practical Stop and Practice exercises help you review and build on what you've learned. Chapter review exercises include questions ranging from fill-in-the-blank to practical application. Certification review is made easy by a bulleted summary of important points following each chapter. A Coding Reference Tools appendix provides perforated pages that may be removed for quick reference in the classroom or on the job. Text emphasis is on proper review of actual physician documentation and applying basic coding rules as important first steps in the coding process. This prepares the student to locate and determine the actual "diagnosis" and "procedure" to be coded from the physician documentation, which is a prerequisite skill for locating correct codes and very important for compliance. Expansion of ICD-9-CM information. Sample patient charts include explanatory notes. A simulated medical practice (identified as Godfrey Regional) lets you study in a real-world scenario. Key Terms lists highlight the most important vocabulary and content. More exercises!

Mastering Autodesk Maya 2011

[John Wiley & Sons](#) A beautifully-packaged, advanced reference on the very latest version of Maya If you already know the basics of Maya, the latest version of this authoritative book takes you to the next level. From modeling, texturing, animation, and visual effects to high-level techniques for film, television, games, and more, this book provides professional-level Maya instruction. With pages of scenarios and examples from some of the leading professionals in the industry, this book will help you master the entire CG production pipeline. Provides professional-level instruction on Maya, the industry-leading 3D animation and effects software Covers the very latest Maya tools and features, including Dynamics, Maya Muscle, Stereo Cameras, rendering with mental ray, and more Offers complete coverage of advanced topics such as cloth, fur, and fluids Showcases the techniques of professionals through numerous examples and real-world scenarios, showing you how to set up and manage 3D animation and visual effects pipelines Includes a CD with all support files from the book, along with movies to illustrate concepts If you're looking for an in-depth, professional Maya resource to turn to again and again, Mastering Maya is the book you need. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file. For Instructors: Teaching supplements are available for this title.

Mastering English for CXC

[Nelson Thornes](#) This textbook provides a full two-year course for students in the fourth and fifth years of Caribbean secondary schools. The book revises and develops all the language skills that students need to help them achieve the best result in their examinations. The text features: a wide range of stimulating passages; writing from all genres; exercises and activities to challenge and motivate all abilities; attention to developing competence in all the language skills; and particular focus on improved accuracy in comprehension and writing.

Chemistry

This is part one of two for Chemistry by OpenStax. This book covers chapters 1-11. Chemistry is designed for the two-semester general chemistry course. For many students, this course provides the foundation to a career in chemistry, while for others, this may be their only college-level science course. As such, this textbook provides an important opportunity for students to learn the core concepts of chemistry and understand how those concepts apply to their lives and the world around them. The text has been developed to meet the scope and sequence of most general chemistry courses. At the same time, the book includes a number of innovative features designed to enhance student learning. A strength of Chemistry is that instructors can customize the book, adapting it to the approach that works best in their classroom. The images in this textbook are grayscale.

Organic Chemistry I For Dummies

[John Wiley & Sons](#) *Organic Chemistry I For Dummies, 2nd Edition (9781118828076)* is now being published as *Organic Chemistry I For Dummies, 2nd Edition (9781119293378)*. While this version features an older *Dummies* cover and design, the content is the same as the new release and should not be considered a different product. The easy way to take the confusion out of organic chemistry *Organic chemistry has a long-standing reputation as a difficult course. Organic Chemistry I For Dummies takes a simple approach to the topic, allowing you to grasp concepts at your own pace. This fun, easy-to-understand guide explains the basic principles of organic chemistry in simple terms, providing insight into the language of organic chemists, the major classes of compounds, and top trouble spots. You'll also get the nuts and bolts of tackling organic chemistry problems, from knowing where to start to spotting sneaky tricks that professors like to incorporate. Refreshed example equations New explanations and practical examples that reflect today's teaching methods Fully worked-out organic chemistry problems Baffled by benzines? Confused by carboxylic acids? Here's the help you need—in plain English!*

Issues in Specialized Chemical and Chemistry Topics: 2012 Edition

[ScholarlyEditions](#) *Issues in Specialized Chemical and Chemistry Topics: 2012 Edition* is a *ScholarlyEditions™* eBook that delivers timely, authoritative, and comprehensive information about *Chemical Theory and Computation*. The editors have built *Issues in Specialized Chemical and Chemistry Topics: 2012 Edition* on the vast information databases of *ScholarlyNews™*. You can expect the information about *Chemical Theory and Computation* in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of *Issues in Specialized Chemical and Chemistry Topics: 2012 Edition* has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at *ScholarlyEditions™* and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Organic Chemistry

[Jones & Bartlett Learning](#) *Accompanying CD-ROM ... "has been enhanced with updated animated illustrations to accompany the presentations [and] Chem3D files for helpful structure visualization."*--Page 4 of cover.

Extended Biocontrol

[Springer Nature](#) *This book presents an exhaustive overview of the theoretical foundations and practical applications of biocontrol in agriculture. It encompasses all kinds of nature-based approaches for crop protection: introduction and conservation of natural enemies, release of sterile insects, enhancement of plant defenses, use of microorganisms, biopesticides, and semiochemicals. Cutting-edge knowledge in population biology, microbial ecology, epidemiology and chemical ecology is presented in accessible terms. The potential of field application is discussed with regard to practical aspects but also socioeconomic constraints. The 62 authors are researchers from a large panel of disciplines, from theoretical biology to social sciences.*

Achieving Excellence

Mastering Mindset for Peak Performance in Sport and Life

[Human Kinetics](#) *"The book explains specific mental skills and concepts from elite performers in and out of sport to perform well, recover from errors, and enjoy their lives. The book is aimed at athletes and coaches of all sports and career professionals in the general workforce"--*

Essential Organic Chemistry, Global Edition

NOTE You are purchasing a standalone product; MasteringChemistry does not come packaged with this content. If you would like to purchase both the physical text and MasteringChemistry search for 032196747X / 9780321967473 Essential Organic Chemistry 3/e Plus MasteringChemistry with eText -- Access Card Package: The access card package consists of: 0321937716 / 9780321937711 Essential Organic Chemistry 3/e0133857972 / 9780133857979 MasteringChemistry with PearsonKey Benefits: MasteringChemistry should only be purchased when required by an instructor." For one-term Courses in Organic Chemistry. " A comprehensive, problem-solving approach for the brief Organic Chemistry course. Modern and thorough revisions to the streamlined, " Essential Organic Chemistry focus on developing students' problem solving and analytical reasoning skills throughout organic chemistry. Organized around reaction similarities and rich with contemporary biochemical connections, Bruice's Third Edition discourages memorization and encourages students to be mindful of the fundamental reasoning behind organic reactivity: electrophiles react with nucleophiles. Developed to support a diverse student audience studying organic chemistry for the first and only time, Essentials fosters an understanding of the principles of organic structure and reaction mechanisms, encourages skill development through new Tutorial Spreads and emphasizes bioorganic processes. Contemporary and rigorous, Essentials addresses the skills needed for the 2015 MCAT and serves both pre-med and biology majors. Also Available with MasteringChemistry(R) This title is also available with MasteringChemistry - the leading online homework, tutorial, and assessment system, designed to improve results by engaging students before, during, and after class with powerful content. Instructors ensure students arrive ready to learn by assigning educationally effective content before class, and encourage critical thinking and retention with in-class resources such as Learning Catalytics(TM). Students can further master concepts after class through traditional and adaptive homework assignments that provide hints and answer-specific feedback. The Mastering gradebook records scores for all automatically graded assignments in one place, while diagnostic tools give instructors access to rich data to assess student understanding and misconceptions. MasteringChemistry brings learning full circle by continuously adapting to each student and making learning more personal than ever--before, during, and after class.

An Introduction to Chemistry

[Benjamin-Cummings Publishing Company](#) *Bishop's text shows students how to break the material of preparatory chemistry down and master it. The system of objectives tells the students exactly what they must learn in each chapter and where to find it.*

Introductory Chemistry in SI Units

For one-semester courses in Preparatory Chemistry Builds 21st century and problem solving skills, preparing students for success Now in its 6th Edition, the best-selling Introductory Chemistry continues to encourage student interest by showing how chemistry manifests in students' daily lives. Author Nivaldo Tro draws upon his classroom experience as an award-winning instructor to extend chemistry from the laboratory to the student's world, capturing student attention with relevant applications and an engaging writing style. The text provides a superior teaching and learning experience, enabling deep conceptual understanding, fostering the development of problem-solving skills, and encouraging interest in chemistry with concrete examples. Extending chemistry from the lab to the student's world, the text reveals that anyone can master chemistry. Refined to meet its purpose of teaching relevant skills, the 6th Edition includes new questions, data, and sections to help students build the 21st century skills necessary to succeed in introductory chemistry and beyond. Already a visual text, in this edition the art has been further refined and improved, making the visual impact sharper and more targeted to student learning. The new edition also includes new Conceptual Checkpoints, a widely embraced feature that emphasizes understanding rather than calculation, as well as a new category of end-of-chapter questions called Data Interpretation and Analysis, which present real data in real life situations and ask students to analyze and interpret that data. Mastering(tm) Chemistry not included. Students, if Mastering Chemistry is a recommended/mandatory component of the course, please ask your instructor for the correct ISBN and course ID. Mastering Chemistry should only be purchased when required by an instructor. Instructors, contact your Pearson rep for more information. Mastering Chemistry is the leading online homework, tutorial, and assessment system, designed to improve results by engaging students with powerful content. Instructors ensure students arrive ready to learn by assigning educationally effective content and encourage critical thinking and retention with in-class resources such as Learning Catalytics(tm).

Environmental Chemistry

[CRC Press](#) *A text for upper undergraduate and graduate level courses in environmental chemistry, chemical engineering, and biology. It deals with natural environmental chemistry processes and pollution; the chemistry process of species, air, water, soil, and the living environment; and hazardous waste and its control. Annotation copyrighted by Book News, Inc., Portland, OR*

Chemistry 2012 Student Edition (Hard Cover) Grade 11

[Prentice Hall](#) *The new Pearson Chemistry program combines our proven content with cutting-edge digital support to help students connect chemistry to their daily lives. With a fresh approach to problem-solving, a variety of hands-on learning opportunities, and more math support than ever before, Pearson Chemistry will ensure success in your chemistry classroom. Our program provides features and resources unique to Pearson--including the Understanding by Design Framework and powerful online resources to engage and motivate your students, while offering support for all types of learners in your classroom.*

Mastering Chemistry

[Chapters Pub Limited](#) *The periodic table never looked so good! From the properties of matter and mole calculations to the kinetics of reactions and enthalpy change, this guide demystifies the complexities of chemistry through easy-to-follow charts, graphs, and sample problems.*

Physical Chemistry

Quantum Chemistry and Spectroscopy, Books a la Carte Edition

Pearson This loose-leaf, three-hole punched version of the textbook gives students the flexibility to take only what they need to class and add their own notes—all at an affordable price. For courses in Quantum Chemistry. A visual, conceptual and contemporary approach to Physical Chemistry Engel and Reid's Quantum Chemistry & Spectroscopy provides a contemporary, conceptual, and visual introduction to physical chemistry. The authors emphasize the vibrancy of physical chemistry today and illustrate its relevance to the world around us, using modern applications drawn from biology, environmental science, and material science. The 4th Edition provides visual summaries of important concepts and connections in each chapter, offers students "just-in-time" math help, and expands content to cover science relevant to physical chemistry. Tutorials in Mastering(tm) Chemistry reinforce students' understanding of complex theory in Quantum Chemistry and Thermodynamics as they build problem-solving skills throughout the course. Also available with Mastering Chemistry Mastering(tm) is the teaching and learning platform that empowers you to reach every student. By combining trusted author content with digital tools developed to engage students and emulate the office-hour experience, Mastering personalizes learning and often improves results for each student. Instructors ensure students arrive ready to learn by assigning educationally effective content before class, and encourage critical thinking and retention with in-class resources such as Learning Catalytics. NOTE: You are purchasing a standalone product; Mastering(tm) Geography does not come packaged with this content. Students, if interested in purchasing this title with Mastering Geography, ask your instructor to confirm the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the loose-leaf version of the text and Mastering Geography, search for: 0134861981 / 9780134861982 Physical Chemistry: Quantum Chemistry and Spectroscopy, Books a la Carte Plus MasteringChemistry with Pearson eText -- Access Card Package, 4/e

Natural Highs

Feel Good All the Time

Penguin What does it take to make you feel "high"? Do you routinely reach for caffeine, alcohol, cigarettes, or sugary snacks to get you through the day? Unfortunately, the quick fixes we have become accustomed to don't work long-term, and often contribute further to the underlying problems of fatigue, depression, brain fog, and anxiety. In Natural Highs, two leading authorities in psychology and nutrition present a prescriptive breakthrough program based on nutritional supplements, herbs, and simple mind-body therapies that will help to increase energy, sharpen the mind, elevate mood, relax the body, and beat stress. Their remarkable research shows how to formulate the perfect "brainfood" to improve how we think and feel, resulting in a greater sense of connection and joy in everyday life—the natural high.

Organic Chemistry

Cengage Learning ORGANIC CHEMISTRY is a student-friendly, cutting edge introduction for chemistry, health, and the biological sciences majors. In the Eighth Edition, award-winning authors build on unified mechanistic themes, focused problem-solving, applied pharmaceutical problems and biological examples. Stepwise reaction mechanisms emphasize similarities among mechanisms using four traits: breaking a bond, making a new bond, adding a proton, and taking a proton away. Pull-out organic chemistry reaction roadmaps designed stepwise by chapter help students devise their own reaction pathways. Additional features designed to ensure student success include in-margin highlighted integral concepts, new end-of-chapter study guides, and worked examples. This edition also includes brand new author-created videos. Emphasizing "how-to" skills, this edition is packed with challenging synthesis problems, medicinal chemistry problems, and unique roadmap problems. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Microscale Acoustofluidics

Royal Society of Chemistry The manipulation of cells and microparticles within microfluidic systems using external forces is valuable for many microscale analytical and bioanalytical applications. Acoustofluidics is the ultrasound-based external forcing of microparticles with microfluidic systems. It has gained much interest because it allows for the simple label-free separation of microparticles based on their mechanical properties without affecting the microparticles themselves. Microscale Acoustofluidics provides an introduction to the field providing the background to the fundamental physics including chapters on governing equations in microfluidics and perturbation theory and ultrasound resonances, acoustic radiation force on small particles, continuum mechanics for ultrasonic particle manipulation, and piezoelectricity and application to the excitation of acoustic fields for ultrasonic particle manipulation. The book also provides information on the design and characterization of ultrasonic particle manipulation devices as well as applications in acoustic trapping and immunoassays. Written by leading experts in the field, the book will appeal to postgraduate students and researchers interested in microfluidics and lab-on-a-chip applications.

Study Guide for The Human Body in Health and Illness - E-Book

Elsevier Health Sciences Corresponding to the chapters in The Human Body in Health and Illness, 4th Edition, by Barbara Herlihy, this study guide offers fun and practical exercises to help you review, understand, and remember basic A&P. Even if you find science intimidating, this book can help you succeed. Textbook page references are included with the questions to make information easy to find. Each chapter includes three parts: Mastering the Basics with matching, ordering, labeling, diagram reading, and coloring exercises Putting It All Together including multiple-choice quizzes and case studies Challenge Yourself! with critical thinking questions and puzzles

Study Guide for the Human Body in Health and Illness

Elsevier Health Sciences Corresponding to the chapters in The Human Body in Health and Illness, 4th Edition, by Barbara Herlihy, this study guide offers fun and practical exercises to help you review, understand, and remember basic A&P. Even if you find science intimidating, this book can help you succeed. Each chapter includes three parts: Mastering the Basics with matching, ordering, labeling, diagram reading, and coloring exercises Putting It All Together including multiple-choice quizzes and case studies Challenge Yourself! with critical thinking questions and puzzles Textbook page references are included with the questions to make it easier to review difficult topics. Objectives at the beginning of each chapter reinforce the goals of the textbook and set a framework for study. UPDATED content matches the new and revised material in the 5th edition of the textbook. UPDATED coloring exercises improve your retention of the material. NEW exercises are included on the endocrine system, hematocrit and blood coagulation, the preload and afterload function of the heart, identifying arteries and veins, the lymphatic system, and the components of the stomach.

Mastering Stocks and Broths

A Comprehensive Culinary Approach Using Traditional Techniques and No-Waste Methods

Chelsea Green Publishing 2018 James Bead Foundation Book Award Finalist, "Single Subject" Category "Top Ten Cookbook of 2017"—Booklist Stocks and broths are the foundation of good cooking, yet information on their use is often relegated to the introductions or appendices of cookbooks. Until now there has not been a comprehensive culinary guide to stocks in the canon, save for snippets here and there. Hard to believe, since most passionate home cooks and professional chefs know that using stocks and broths—both on their own and as the base for a recipe—can turn a moderately flavorful dish into a masterpiece. Mastering Stocks and Broths is the comprehensive guide to culinary stocks and broths that passionate home cooks and innovative chefs have all been waiting for. Rachael Mamane, a self-taught cook and owner of small-scale broth company Brooklyn Bouillon, is reminiscent of M. F. K. Fisher, Patience Gray, and Julia Child. She takes us on a culinary journey into the science behind fundamental stocks and the truth about well-crafted bone broths, and offers over 100 complex and unique recipes incorporating stocks as foundational ingredients. Mastering Stocks and Broths includes a historical culinary narrative about stocks in the classic French technique as well as through the lens of other cultures around the world. Readers will learn about the importance of quality sourcing, the practical and health benefits of stocks and broths, and detailed methodology on how to develop, store, and use them in a home kitchen. The recipes place a playful emphasis on the value of zero waste, turning spent bones, produce scraps, and leftover animal fats into practical products to use around the home. Readers will turn to this book when they find themselves wondering what to do with the carcass of a store-bought roast chicken and they want to learn how to make every inch of their vegetables go further. Perhaps most important to remember: a good stock takes time. This is part of the pleasure—making stocks is meditative and meaningful, if you allow yourself the occasion. Building a stock often happens in the background of most kitchens—a smell that permeates a residence, a gentle warmth that radiates from the kitchen. Readers will be inspired by Mamane's approach to truly slow cookery and her effervescent love for food itself.

Chemistry

The Central Science

Introduction : matter and measurement -- Atoms, molecules, and ions -- Chemical reactions and reaction stoichiometry -- Reactions in aqueous solution -- Thermochemistry -- Electronic structure of atoms -
- Periodic properties of the elements -- Basic concepts of chemical bonding -- Molecular geometry and bonding theories -- Gases -- Liquids and intermolecular forces -- Solids and modern materials -
Properties of solutions -- Chemical kinetics -- Chemical equilibrium -- Acid-base equilibria -- Additional aspects of aqueous equilibria -- Chemistry of the environment -- Chemical thermodynamics --
Electrochemistry -- Nuclear chemistry -- Chemistry of the nonmetals -- Transition metals and coordination chemistry -- The chemistry of life : organic and biological chemistry

Chemical Principles

The Quest for Insight

Macmillan Written for calculus-inclusive general chemistry courses, *Chemical Principles* helps students develop chemical insight by showing the connections between fundamental chemical ideas and their applications. Unlike other texts, it begins with a detailed picture of the atom then builds toward chemistry's frontier, continually demonstrating how to solve problems, think about nature and matter, and visualize chemical concepts as working chemists do. Flexibility in level is crucial, and is largely established through clearly labeling (separating in boxes) the calculus coverage in the text: Instructors have the option of whether to incorporate calculus in the coverage of topics. The multimedia integration of *Chemical Principles* is more deeply established than any other text for this course. Through the unique eBook, the comprehensive Chemistry Portal, Living Graph icons that connect the text to the Web, and a complete set of animations, students can take full advantage of the wealth of resources available to them to help them learn and gain a deeper understanding.

Scientific Soapmaking

The Chemistry of the Cold Process

Clavícula Press "Scientific Soapmaking" bridges the gap between the technical and craft literature. It explains the chemistry of fats, oils, and soaps, and teaches sophisticated analytical techniques that can be carried out using equipment and materials familiar to makers of handcrafted soap.

Physical Chemistry

Thermodynamics, Structure, and Change

W. H. Freeman Edition after edition, *Atkins and de Paula's* #1 bestseller remains the most contemporary, most effective full-length textbook for courses covering thermodynamics in the first semester and quantum mechanics in the second semester. Its molecular view of physical chemistry, contemporary applications, student friendly pedagogy, and strong problem-solving emphasis make it particularly well-suited for pre-meds, engineers, physics, and chemistry students. Now organized into briefer, more manageable topics, and featuring additional applications and mathematical guidance, the new edition helps students learn more effectively, while allowing instructors to teach the way they want. Available in Split Volumes For maximum flexibility in your physical chemistry course, this text is now offered as a traditional text or in two volumes: Volume 1: Thermodynamics and Kinetics: 1-4641-2451-5 Volume 2: Quantum Chemistry: 1-4641-2452-3

Chemistry

The Central Science

NOTE: This edition features the same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value; this format costs significantly less than a new textbook. Before purchasing, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of MyLab(tm) and Mastering(tm) platforms exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a Course ID, provided by your instructor, to register for and use MyLab and Mastering products. For courses in two-semester general chemistry. Accurate, data-driven authorship with expanded interactivity leads to greater student engagement. Unrivaled problem sets, notable scientific accuracy and currency, and remarkable clarity have made *Chemistry: The Central Science* the leading general chemistry text for more than a decade. Trusted, innovative, and calibrated, the text increases conceptual understanding and leads to greater student success in general chemistry by building on the expertise of the dynamic author team of leading researchers and award-winning teachers. In this new edition, the author team draws on the wealth of student data in Mastering(tm) Chemistry to identify where students struggle and strives to perfect the clarity and effectiveness of the text, the art, and the exercises while addressing student misconceptions and encouraging thinking about the practical, real-world use of chemistry. New levels of student interactivity and engagement are made possible through the enhanced eText 2.0 and Mastering Chemistry, providing seamlessly integrated videos and personalized learning throughout the course. Also available with Mastering Chemistry Mastering(tm) Chemistry is the leading online homework, tutorial, and engagement system, designed to improve results by engaging students with vetted content. The enhanced eText 2.0 and Mastering Chemistry work with the book to provide seamless and tightly integrated videos and other rich media and assessment throughout the course. Instructors can assign interactive media before class to engage students and ensure they arrive ready to learn. Students further master concepts through book-specific Mastering Chemistry assignments, which provide hints and answer-specific feedback that build problem-solving skills. With Learning Catalytics(tm) instructors can expand on key concepts and encourage student engagement during lecture through questions answered individually or in pairs and groups. Mastering Chemistry now provides students with the new General Chemistry Primer for remediation of chemistry and math skills needed in the general chemistry course. If you would like to purchase both the loose-leaf version of the text and MyLab and Mastering, search for: 0134557328 / 9780134557328 *Chemistry: The Central Science, Books a la Carte Plus Mastering Chemistry with Pearson eText -- Access Card Package* Package consists of: 0134294165 / 9780134294162 *Mastering Chemistry with Pearson eText -- ValuePack Access Card -- for Chemistry: The Central Science* 0134555635 / 9780134555638 *Chemistry: The Central Science, Books a la Carte Edition*

Chemistry for Changing Times

Prentice Hall **NOTE:** You are purchasing a standalone product; Mastering Chemistry does not come packaged with this content. If you would like to purchase both the physical text and Mastering Chemistry search for ISBN-10: 0321971183 / ISBN-13: 9780321971180. That package includes ISBN-10: 0133901483 / ISBN-13: 9780133901481 and ISBN-10: 0321972023 / ISBN-13: 9780321972026. For non-majors introductory chemistry courses. Make chemistry relatable to all students. *Chemistry for Changing Times* has defined the liberal arts chemistry course and remains the most visually appealing and readable introduction to the subject. The Fourteenth Edition increases its focus on environmental and other relatable issues with revised green chemistry essays throughout and new Chemistry at Home experiments, both in the text and in Mastering Chemistry. Abundant applications and examples fill each chapter and enable students of varied majors to relate to the content more readily. Updated material throughout reflects the latest scientific developments in the field demonstrating the relevance of chemistry to all students. Also available with Mastering Chemistry. Mastering Chemistry® from Pearson is the leading online homework, tutorial, and assessment system, designed to improve results by engaging students before, during, and after class with powerful content. Instructors ensure students arrive ready to learn by assigning educationally effective content before class, and encourage critical thinking and retention with in-class resources such as Learning Catalytics. Students can further master concepts after class through traditional and adaptive homework assignments that provide hints and answer-specific feedback. The Mastering gradebook records scores for all automatically graded assignments in one place, while diagnostic tools give instructors access to rich data to assess student understanding and misconceptions.

Introduction to Organic and Biological Chemistry

D C Heath & Company

The ICDP-USGS Deep Drilling Project in the Chesapeake Bay Impact Structure

Results from the Eyreville Core Holes

Geological Society of America "In 2005 and 2006, an international deep drilling project, conceived and organized under the auspices of the International Continental Scientific Drilling Program and the U.S. Geological Survey, continuously cored three boreholes to a total depth of 1.766 km near the center of the Chesapeake Bay impact structure in Northampton County, Virginia. This volume presents the initial results of geologic, petrographic, geochemical, paleontologic, geophysical, hydrologic, and microbiologic analyses of the Eyreville cores, which constitute a step forward in our understanding of the Chesapeake Bay impact structure and marine impact structures in general. The editors have organized this extensive volume into the following sections: geologic columns; borehole geophysical studies; regional geophysical studies; crystalline rocks, impactites, and impact models; sedimentary breccias; post-impact sediments; hydrologic and geothermal studies; and microbiologic studies. The multidisciplinary approach to the study of this impact structure should provide a valuable example for future scientific drilling investigations."--Publisher's description.

Chemistry 2e

General, Organic, and Biological Chemistry

Foundations of Life

Organic Chemistry as a Second Language

First Semester Topics

John Wiley & Sons Organic chemistry can be a challenging subject. Most students view organic chemistry as a subject requiring hours upon hours of memorization. Author David Klein's Second Language books prove this is not true—organic chemistry is one continuous story that actually makes sense if you pay attention. Offering a unique skill-building approach, these market-leading books teach students how to ask the right questions to solve problems, study more efficiently to avoid wasting time, and learn to speak the language of organic chemistry. Covering the initial half of the course, Organic Chemistry as a Second Language: First Semester Topics reviews critical principles and explains their relevance to the rest of the course. Each section provides hands-on exercises and step-by-step explanations to help students fully comprehend classroom lectures and textbook content. Now in its fifth edition, this valuable study resource covers the characteristics of molecules, the nature of atomic bonds, the relationships between different types of molecules, drawing and naming molecules, and essential molecular reactions.

Chemistry

Principles, Patterns, and Applications

Emphasises on contemporary applications and an intuitive problem-solving approach that helps students discover the exciting potential of chemical science. This book incorporates fresh applications from the three major areas of modern research: materials, environmental chemistry, and biological science.

Triumphs & Wonders of Modern Chemistry

A Popular Treatise on Modern Chemistry and Its Marvels Written in Non-technical Language for General Readers and Students