

Principles Of General Chemistry Silberberg 2nd Edition Solutions Manual

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Chemistry Martin Stuart Silberberg 2006 Chemistry: The Molecular Nature of Matter and Change by Martin Silberberg has become a favorite among faculty and students. Silberberg's 4th edition contains features that make it the most comprehensive and relevant text for any student enrolled in General Chemistry. The text contains unprecedented macroscopic to microscopic molecular illustrations, consistent step-by-step worked exercises in every chapter, an extensive range of end-of-chapter problems which provide engaging applications covering a wide variety of freshman interests, including engineering, medicine, materials, and environmental studies. All of these qualities make Chemistry: The Molecular Nature of Matter and Change the centerpiece for any General Chemistry course.

Principles of General Chemistry Martin Stuart Silberberg 2007 **Silberberg, Chemistry (NASTA Reinforced Binding High School)** Martin Silberberg, Dr. 2011-02-03 An unparalled classic,

the sixth edition of Silberberg Chemistry keeps pace with the evolution of student learning. The text maintains unprecedented macroscopic-to-microscopic molecular illustrations, consistent step-by-step worked exercises in every chapter, and extensive range of end-of-chapter problems with engaging applications covering a wide variety of interests, including engineering, medicine, materials, and environmental studies. Changes have been made to the text and applications throughout to make them more succinct, to the artwork to make it more teachable and modern, and to the design to make it more modern, simplistic, and open. Features include Three-Level Depictions of Chemical Scenes are the focus of Silberberg's ground-breaking art program, which combines photographs of chemical scenes with an illustrated molecular view and with the equation that symbolically and quantitatively describes that scenario. McGraw-Hill's Connect Chemistry allows teachers to deliver assignments, quizzes, and tests online. Over 2,200 end of chapter problems and additional

problems are available to assign. Teachers can edit questions, write new problems, and track student performance.

Chemistry Education and Contributions from History and Philosophy of Science Mansoor Niaz 2015-12-23 This book explores the relationship between the content of chemistry education and the history and philosophy of science (HPS) framework that underlies such education. It discusses the need to present an image that reflects how chemistry developed and progresses. It proposes that chemistry should be taught the way it is practiced by chemists: as a human enterprise, at the interface of scientific practice and HPS. Finally, it sets out to convince teachers to go beyond the traditional classroom practice and explore new teaching strategies. The importance of HPS has been recognized for the science curriculum since the middle of the 20th century. The need for teaching chemistry within a historical context is not difficult to understand as HPS is not far below the surface in any science classroom. A review of the literature shows that the traditional chemistry classroom, curricula, and textbooks while dealing with concepts such as law, theory, model, explanation, hypothesis, observation, evidence and idealization, generally ignore elements of the history and philosophy of science. This book proposes that the conceptual understanding of chemistry requires knowledge and understanding of the history and philosophy of science. "Professor Niaz's book is most welcome, coming at a time when there is an urgently felt need to upgrade the teaching of science. The book is a huge aid for adding to the usual way - presenting science as a series of mere facts - also the necessary mandate: to show how science is done, and how science, through its history and philosophy, is part of the cultural development of humanity." Gerald Holton, Mallinckrodt Professor of Physics & Professor of History of Science, Harvard University "In this stimulating and sophisticated blend of history of chemistry, philosophy of science, and science pedagogy, Professor Mansoor Niaz has succeeded in offering a promising new approach

to the teaching of fundamental ideas in chemistry. Historians and philosophers of chemistry --- and above all, chemistry teachers --- will find this book full of valuable and highly usable new ideas" Alan Rocke, Case Western Reserve University "This book artfully connects chemistry and chemistry education to the human context in which chemical science is practiced and the historical and philosophical background that illuminates that practice. Mansoor Niaz deftly weaves together historical episodes in the quest for scientific knowledge with the psychology of learning and philosophical reflections on the nature of scientific knowledge and method. The result is a compelling case for historically and philosophically informed science education. Highly recommended!" Harvey Siegel, University of Miami "Books that analyze the philosophy and history of science in Chemistry are quite rare. 'Chemistry Education and Contributions from History and Philosophy of Science' by Mansoor Niaz is one of the rare books on the history and philosophy of chemistry and their importance in teaching this science. The book goes through all the main concepts of chemistry, and analyzes the historical and philosophical developments as well as their reflections in textbooks. Closest to my heart is Chapter 6, which is devoted to the chemical bond, the glue that holds together all matter in our earth. The chapter emphasizes the revolutionary impact of the concept of the 'covalent bond' on the chemical community and the great novelty of the idea that was conceived 11 years before quantum mechanics was able to offer the mechanism of electron pairing and covalent bonding. The author goes then to describe the emergence of two rival theories that explained the nature of the chemical bond in terms of quantum mechanics; these are valence bond (VB) and molecular orbital (MO) theories. He emphasizes the importance of having rival theories and interpretations in science and its advancement. He further argues that this VB-MO rivalry is still alive and together the two conceptual frames serve as the tool kit for thinking and doing

chemistry in creative manners. The author surveys chemistry textbooks in the light of the how the books preserve or not the balance between the two theories in describing various chemical phenomena. This Talmudic approach of conceptual tension is a universal characteristic of any branch of evolving wisdom. As such, Mansoor's book would be of great utility for chemistry teachers to examine how can they become more effective teachers by recognizing the importance of conceptual tension". Sason Shaik Saeree K. and Louis P. Fiedler Chair in Chemistry Director, The Lise Meitner-Minerva Center for Computational Quantum Chemistry, The Hebrew University of Jerusalem, ISRAEL

Chemistry 2e Paul Flowers 2019-02-14

Origins of Life Geoffrey Zubay 2000-01-18 Origins of Life on the Earth and in the Cosmos, Second Edition, suggests answers to the age-old questions of how life arose in the universe and how it might arise elsewhere. This thorough revision of a very successful text describes key events in the evolution of living systems, starting with the creation of an environment suitable for the origins of life. Whereas one may never be able to reconstruct the precise pathway that led to the origin of life on earth, one can certainly make some plausible reconstructions of it. Such discussions have greatly expanded our understanding of the principles of chemical evolution and how they compare and contrast with the principles of biological evolution. The text is strong on biochemistry and its recent applications to origins' research. Provides an excellent review of basic biochemistry an evolution Written in a clear, concise style for scientists, students, and readers interested in a scientific inquiry into the origins of life Written by an authority in the field, and brought fully up-to-date in light of new research Pulls together valuable information not found in a single source Organized and presented in a manner conducive for use in a college course Heavily illustrated to make difficult concepts concrete

Descriptive Inorganic Chemistry Geoff Rayner-Canham 2013-12-22

This bestselling text gives students a less rigorous, less mathematical way of learning inorganic chemistry, using the periodic table as a context for exploring chemical properties and uncovering relationships between elements in different groups. The authors help students understand the relevance of the subject to their lives by covering both the historical development and fascinating contemporary applications of inorganic chemistry (especially in regard to industrial processes and environmental issues). The new edition offers new study tools, expanded coverage of biological applications, and new help with problem-solving.

Materials Chemistry Bradley D. Fahlman 2018-08-28 The 3rd edition of this successful textbook continues to build on the strengths that were recognized by a 2008 Textbook Excellence Award from the Text and Academic Authors Association (TAA). Materials Chemistry addresses inorganic-, organic-, and nano-based materials from a structure vs. property treatment, providing a suitable breadth and depth coverage of the rapidly evolving materials field — in a concise format. The 3rd edition offers significant updates throughout, with expanded sections on sustainability, energy storage, metal-organic frameworks, solid electrolytes, solvothermal/microwave syntheses, integrated circuits, and nanotoxicity. Most appropriate for Junior/Senior undergraduate students, as well as first-year graduate students in chemistry, physics, or engineering fields, Materials Chemistry may also serve as a valuable reference to industrial researchers. Each chapter concludes with a section that describes important materials applications, and an updated list of thought-provoking questions.

Organic Chemistry I as a Second Language David R. Klein 2007-06-22 Get a Better Grade in Organic Chemistry Organic Chemistry may be challenging, but that doesn't mean you can't get the grade you want. With David Klein's Organic Chemistry as a Second Language: Translating the Basic Concepts, you'll be able

to better understand fundamental principles, solve problems, and focus on what you need to know to succeed. Here's how you can get a better grade in Organic Chemistry: Understand the Big Picture. Organic Chemistry as a Second Language points out the major principles in Organic Chemistry and explains why they are relevant to the rest of the course. By putting these principles together, you'll have a coherent framework that will help you better understand your textbook. Study More Efficiently and Effectively Organic Chemistry as a Second Language provides time-saving study tips and a clear roadmap for your studies that will help you to focus your efforts. Improve Your Problem-Solving Skills Organic Chemistry as a Second Language will help you develop the skills you need to solve a variety of problem types—even unfamiliar ones! Need Help in Your Second Semester? Get Klein's Organic Chemistry II as a Second Language!

978-0-471-73808-5

The Periodic Kingdom Peter Atkins 2013-12-31 A 'travel guide' to the periodic table, explaining the history, geography and the rules of behaviour in this imagined land. The Periodic Kingdom is a journey of imagination in which Peter Atkins treats the periodic table of elements - the 109 chemical elements in the world, from which everything is made - as a country, a periodic kingdom, each region of which corresponds to an element. Arranged much like a travel guide, the book introduces the reader to the general features of the table, the history of the elements, and the underlying arrangement of the table in terms of the structure and properties of atoms. Atkins sees elements as finely balanced living personalities, with quirks of character and certain, not always outward, dispositions, and the kingdom is thus a land of intellectual satisfaction and infinite delight.

Inorganic Chemistry Solutions Manual Michael Hagerman 2006-08-18 The Solutions Manual contains complete solutions to the Self-tests and end-of-chapter exercises.

General Chemistry I as a Second Language David R. Klein

2005-03-16 Get a better grade in General Chemistry! Even though General Chemistry may be challenging at times; with hard work and the right study tools, you can still get the grade you want. With David Klein's General Chemistry as a Second Language, you'll be able to better understand fundamental principles of chemistry, solve problems, and focus on what you need to know to succeed. Here's how you can get a better grade in General Chemistry: Understand the basic concepts: General Chemistry as a Second Language focuses on selected topics in General Chemistry to give you a solid foundation. By understanding these principles, you'll have a coherent framework that will help you better understand your course. Study more efficiently and effectively: General Chemistry as a Second Language provides time-saving study tips and problem-solving strategies that will help you succeed in the course. Improve your problem-solving skills: General Chemistry as a Second Language will help you develop the skills you need to solve a variety of problem types - even unfamiliar ones! Study Guide and Student Solutions Manual to Accompany Principles of Modern Chemistry, 4th Edition Wade A. Freeman 1999 PRINCIPLES OF MODERN CHEMISTRY has dominated the honors and high mainstream general chemistry courses and is considered the standard for the course. The fifth edition is a substantial revision that maintains the rigor of previous editions but reflects the exciting modern developments taking place in chemistry today. Authors David W. Oxtoby and H. P. Gillis provide a unique approach to learning chemical principles that emphasizes the total scientific process 'from observation to application' placing general chemistry into a complete perspective for serious-minded science and engineering students. Chemical principles are illustrated by the use of modern materials, comparable to equipment found in the scientific industry. Students are therefore exposed to chemistry and its applications beyond the classroom. This text is perfect for those instructors who are looking for a more advanced general chemistry textbook.

Nature of Science in General Chemistry Textbooks Mansoor Niaz 2011-07-15 Research in science education has recognized the importance of history and philosophy of science (HPS). Nature of science (NOS) is considered to be an essential part of HPS with important implications for teaching science. The role played by textbooks in developing students' informed conceptions of NOS has been a source of considerable interest for science educators. In some parts of the world, textbooks become the curriculum and determine to a great extent what is taught and learned in the classroom. Given this background and interest, this monograph has evaluated NOS in university level general chemistry textbooks published in U.S.A. Most textbooks in this study provided little insight with respect to the nine criteria used for evaluating NOS. Some of the textbooks, however, inevitably refer to HPS and thus provide guidelines for future textbooks. A few of the textbooks go into considerable detail to present the atomic models of Dalton, Thomson, Rutherford, Bohr and wave mechanical to illustrate the tentative nature of scientific theories --- an important NOS aspect. These results lead to the question: Are we teaching science as practiced by scientists? An answer to this question can help us to understand the importance of NOS, by providing students an HPS-based environment, so that they too (just like the scientists) feel the thrill and excitement of discovering new things. This monograph provides students and teachers guidelines for introducing various aspects of NOS, based on historical episodes.

Chemistry, Third Canadian Binder Ready Version John Olmsted 2016-01

Principles of General Chemistry Martin Stuart Silberberg 2012-02-01 Silberberg's Principles of General Chemistry offers students the same authoritative topic coverage as its parent text, Chemistry: The Molecular Nature of Matter and Change. The Principles text allows for succinct coverage of content with minimal emphasis on pedagogic learning aids. This more streamlined approach to learning appeals to today's efficiency-

minded, value-conscious instructors and students without sacrificing depth, clarity, or rigor.

Chemistry Martin Stuart Silberberg 2013

AP Chemistry Theodore L. Brown 2004-05-03

Chemistry Bruce Averill 2007 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.

Genetics Daniel L. Hartl 2011-08-05 The Eighth Edition of Genetics: Analysis of Genes and Genomes provides a clear, balanced, and comprehensive introduction to genetics and genomics at the college level. Expanding upon the key elements that have made this text a success, Hartl has included updates throughout, as well as a new chapter dedicated to genetic evolution. He continues to treat transmission genetics, molecular genetics, and evolutionary genetics as fully integrated subjects and provide students with an unprecedented understanding of the basic process of gene transmission, mutation, expression, and regulation. New chapter openers include a new section highlighting scientific competencies, while end-of-chapter Guide to Problem-Solving sections demonstrate the concepts needed to efficiently solve problems and understand the reasoning behind the correct answer. Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition.

Principles of Biology Robert Brooker 2017-02-02 Overview Inspired by recommendations from the AAAS vision and Change Report. Principles of Biology is reflective of the shift taking place in the majors biology course from large and detail rich to short and conceptual, with a focus on new, cutting-edge science. A succinct and inviting text focused on central concepts, Principles of Biology helps students connect fundamental principles while challenging

them to develop and hone critical thinking skills. Five new chapters introduce cutting-edge topics that will benefit students who continue their study of biology in future courses (Chapters 11, 16, 24, 41 and 47)

Introduction to General, Organic and Biochemistry Frederick A. Bettelheim 2015-01-01 This bestselling text continues to lead the way with a strong focus on current issues, pedagogically rich framework, wide variety of medical and biological applications, visually dynamic art program, and exceptionally strong and varied end-of-chapter problems. Revised and updated throughout, the eleventh edition now includes new biochemistry content, new Chemical Connections essays, new and revised problems, and more. Most end of chapter problems are now available in the OWLv2 online learning system. - See more at:

http://www.cengage.com/search/productOverview.do?Ntt=bettelheim|32055039717924713418311458721577017661&N=16&Ntk=APG%7CP_EPI&Ntx=mode+matchallpartial#Overview Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Femtosecond Laser Pulses Claude Rulliere 2007-05-27 This smooth introduction for advanced undergraduates starts with the fundamentals of lasers and pulsed optics. Thus prepared, the student is introduced to short and ultrashort laser pulses, and learns how to generate, manipulate, and measure them. Spectroscopic implications are also discussed. The second edition has been completely revised and includes two new chapters on some of the most promising and fast-developing applications in ultrafast phenomena: coherent control and attosecond pulses.

Water Chemistry Mark M. Benjamin 2002 Publisher's description: This book effectively conveys the key concepts of equilibrium chemistry, particularly as they apply to natural and engineered aquatic systems. The coverage is rigorous and thorough, but the author assumes little prior knowledge of chemistry on the part of the readers, and writes in a style that is easily accessible to

students.

Chemistry 2e Paul Flowers 2019-02-14

Loose-leaf Version for Principles of Life David M. Hillis 2013-12-01 With its first edition, Principles of Life provided a textbook well aligned with the recommendations proposed in BIO 2010: Transforming Undergraduate Education for Future Research Biologists and Vision and Change in Undergraduate Biology Education. Now Principles of Life returns in a thoroughly updated new edition that exemplifies the reform that is remaking the modern biology classroom.

Silberberg, Chemistry: The Molecular Nature of Matter and Change © 2015, 7e, AP Student Edition (Reinforced Binding) Martin Silberberg, Dr. 2014-01-22 This new edition of Chemistry: The Molecular Nature of Matter and Change is the ideal companion text for the AP Chemistry classroom. Chapter openers tie the chapter content to the Big Ideas and include correlations to the new AP* Chemistry Curriculum Framework. Chapter Review Guides include an AP Chemistry Review which pinpoints those chapter concepts and skills essential to the AP course. ISBN: Print Student Edition

Principles of Quantum Chemistry David V. George 2013-10-22 Principles of Quantum Chemistry focuses on the application of quantum mechanics in physical models and experiments of chemical systems. This book describes chemical bonding and its two specific problems — bonding in complexes and in conjugated organic molecules. The very basic theory of spectroscopy is also considered. Other topics include the early development of quantum theory; particle-in-a-box; general formulation of the theory of quantum mechanics; and treatment of angular momentum in quantum mechanics. The examples of solutions of Schroedinger equations; approximation methods in quantum chemistry; symmetry in chemistry; and molecular-orbital theory are also covered. This publication is recommended for students taking undergraduate and graduate courses in quantum

chemistry.

Student's Solutions Manual to accompany Principles of General Chemistry Martin Silberberg 2012-03-26 This supplement contains detailed solutions and explanations for all colored problems in the main text.

Chemistry: An Atoms First Approach Steven S. Zumdahl 2011-01-01 Steve and Susan Zumdahl's texts focus on helping students build critical thinking skills through the process of becoming independent problem-solvers. They help students learn to think like a chemists so they can apply the problem solving process to all aspects of their lives. In CHEMISTRY: AN ATOMS FIRST APPROACH, the Zumdahls use a meaningful approach that begins with the atom and proceeds through the concept of molecules, structure, and bonding, to more complex materials and their properties. Because this approach differs from what most students have experienced in high school courses, it encourages them to focus on conceptual learning early in the course, rather than relying on memorization and a plug and chug method of problem solving that even the best students can fall back on when confronted with familiar material. The atoms first organization provides an opportunity for students to use the tools of critical thinkers: to ask questions, to apply rules and models and to evaluate outcomes. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

General Chemistry Ralph H. Petrucci 2011-08

Chemistry Raymond Chang 2021 "The fourteenth edition continues a long tradition of providing a firm foundation in the concepts of chemical principles while instilling an appreciation of the important role chemistry plays in our daily lives. We believe that it is our responsibility to assist both instructors and students in their pursuit of this goal by presenting a broad range of chemical topics in a logical format. At all times, we strive to balance theory and application and to illustrate principles with

applicable examples whenever possible"--

Principles of General Chemistry Martin Silberberg 2012-01-17 Silberberg's Principles of General Chemistry offers students the same authoritative topic coverage as its parent text, Chemistry: The Molecular Nature of Matter and Change. The Principles text allows for succinct coverage of content with minimal emphasis on pedagogic learning aids. This more streamlined approach to learning appeals to today's efficiency-minded, value-conscious instructors and students without sacrificing depth, clarity, or rigor.

General Chemistry Ralph H. Petrucci 2017-02-17 The most trusted general chemistry text in Canada is back in a thoroughly revised 11th edition. General Chemistry: Principles and Modern Applications, is the most trusted book on the market recognized for its superior problems, lucid writing, and precision of argument and precise and detailed and treatment of the subject. The 11th edition offers enhanced hallmark features, new innovations and revised discussions that that respond to key market needs for detailed and modern treatment of organic chemistry, embracing the power of visual learning and conquering the challenges of effective problem solving and assessment. Note: You are purchasing a standalone product; MasteringChemistry does not come packaged with this content. Students, if interested in purchasing this title with MasteringChemistry, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MasteringChemistry, search for: 0134097327 / 9780134097329 General Chemistry: Principles and Modern Applications Plus MasteringChemistry with Pearson eText -- Access Card Package, 11/e Package consists of: 0132931281 / 9780132931281 General Chemistry: Principles and Modern Applications 0133387917 / 9780133387919 Study Card for General Chemistry: Principles and Modern Applications 0133387801 / 9780133387803 MasteringChemistry with Pearson eText -- Valuepack Access Card -- for General Chemistry: Principles

and Modern Applications

General, Organic, and Biological Chemistry Dorothy M. Feigl 1986

Principles of General Chemistry Martin Stuart Silberberg 2007
Silberberg's *Principles of General Chemistry* offers students the same authoritative topic coverage as his 4th edition textbook while appealing to today's efficiency-minded and value-conscious instructors and students. *Principles* allows 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.

Loose Leaf Principles of General Chemistry Martin Silberberg 2009-06-24
Silberberg's *Principles of General Chemistry* offers students the same authoritative topic coverage as its parent text, *Chemistry: The Molecular Nature of Matter and Change*. The *Principles* text allows for succinct coverage of content with minimal emphasis on pedagogic learning aids. This more straightforward approach to learning appeals to today's efficiency-minded, value-conscious instructors and students without sacrificing depth, clarity, or rigor.

Organic Chemistry Marye Anne Fox 1997
Fox and Whitesell's *Organic Chemistry, Second Edition* represents a new way of learning that is based on the authors' experiences teaching undergraduate students at the University of Texas, Austin. The aim of its approach is to teach the students concepts that they will need to know for future course work, medical school, etc., rather than promoting tedious memorization. As a result, they will be better prepared for the future, and leave your class with a greater understanding of what makes organic chemistry such an important course.

Chemistry Theodore Lawrence Brown 2017-01-03
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
MasteringChemistry with Pearson eText -- Access Card Package
Package consists of: 0134294165 / 9780134294162

MasteringChemistry with Pearson eText -- ValuePack Access Card -
- for Chemistry: The Central Science 0134555635 /
9780134555638 Chemistry: The Central Science, Books a la Carte
Edition

Organic Structure Analysis Phillip Crews 2010 "Organic Structure Analysis, Second Edition, is the only text that teaches students how to solve structures as they are solved in actual practice. Ideal for advanced undergraduate and graduate courses in organic structure analysis, organic structure identification, and organic spectroscopy, it emphasizes real applications-integrating theory as needed - and introduces students to the latest spectroscopic methods." --Book Jacket.