

ACS Exam General Chemistry 2nd Term

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Organic Chemistry Joel Karty 2018-07 Organic chemistry can overwhelm students and force them to fall back on memorization. But once they understand how to use mechanisms, they can solve just about any problem. With an organization by mechanism, students will understand more, and memorize less. The Second Edition of this groundbreaking text provides a fresh, but proven approach to get students confident using mechanisms. Smartwork5 online homework supports learning by mirroring the text's organization and pedagogy. Students use an intuitive drawing tool while receiving instant hints and answer-specific feedback, making practice more productive.

Calculations in Chemistry Donald J. Dahm 2017

Active Learning in General Chemistry Mark Blaser 2021-02 Active learning methods can provide significant advantages over traditional instructional practices, including improving student engagement and increasing student learning. *Active Learning in General Chemistry: Specific Interventions* focuses on evidence-based active learning methods that offer larger gains in engagement with as well as a more thorough education in general chemistry. This work serves as a selection of techniques that can inspire chemistry instructors and a comprehensive survey of effective active learning approaches in general chemistry. Chemistry faculty and administrations will find inspiration for improved teaching within this volume.

ACS General Chemistry Study Guide 2020-07-06 Test Prep Books' ACS General Chemistry Study Guide: Test Prep and Practice Test Questions for the American Chemical Society General Chemistry Exam [Includes Detailed Answer Explanations] Made by Test Prep Books experts for test takers trying to achieve a great score on the ACS General Chemistry exam. This comprehensive study guide includes: Quick Overview Find out what's inside this guide! Test-Taking Strategies Learn the best tips to help overcome your exam! Introduction Get a thorough breakdown of what the test is and what's on it! Atomic Structure Electronic Structure Formula Calculations and the Mole Stoichiometry Solutions and Aqueous Reactions Heat and Enthalpy Structure and Bonding States of Matter Kinetics Equilibrium Acids and Bases Solubility Equilibria Electrochemistry Nuclear Chemistry Practice Questions Practice makes perfect! Detailed Answer Explanations Figure out where you went wrong and how to improve! Studying can be hard. We get it. That's why we created this guide with these great features and benefits: Comprehensive Review: Each section of the test has a comprehensive review

created by Test Prep Books that goes into detail to cover all of the content likely to appear on the test. Practice Test Questions: We want to give you the best practice you can find. That's why the Test Prep Books practice questions are as close as you can get to the actual ACS General Chemistry test. Answer Explanations: Every single problem is followed by an answer explanation. We know it's frustrating to miss a question and not understand why. The answer explanations will help you learn from your mistakes. That way, you can avoid missing it again in the future. Test-Taking Strategies: A test taker has to understand the material that is being covered and be familiar with the latest test taking strategies. These strategies are necessary to properly use the time provided. They also help test takers complete the test without making any errors. Test Prep Books has provided the top test-taking tips. Customer Service: We love taking care of our test takers. We make sure that you interact with a real human being when you email your comments or concerns. Anyone planning to take this exam should take advantage of this Test Prep Books study guide. Purchase it today to receive access to: ACS General Chemistry review materials ACS General Chemistry exam Test-taking strategies

General, Organic, and Biological Chemistry Laura D. Frost 2013-01-01 Frost and Deal's *General, Organic, and Biological Chemistry* gives students a focused introduction to the fundamental and relevant connections between chemistry and life. Emphasizing the development of problem-solving skills with distinct Inquiry Questions and Activities, this text empowers students to solve problems in different and applied contexts relating to health and biochemistry. Integrated coverage of biochemical applications throughout keeps students interested in the material and allow for a more efficient progression through the topics. Concise, practical, and integrated, Frost's streamlined approach offers students a clear path through the content. Applications throughout the narrative, the visual program, and problem-solving support in each chapter improve their retention of the concepts and skills as they master them. General, organic, and biological chemistry topics are integrated throughout each chapter to create a seamless framework that immediately relates chemistry to students' future allied health careers and their everyday lives. Note: This is the standalone book, if you want the book/access card order the ISBN below: 0321802632 / 9780321802637 *General, Organic, and Biological Chemistry Plus MasteringChemistry with eText -- Access Card Package* Package consists of: 0321803035 / 9780321803030 *General, Organic, and Biological Chemistry* 0321833945 / 9780321833945 *MasteringChemistry with Pearson eText -- ValuePack Access Card -- for General, Organic, and Biological Chemistry*

Preparing for Your ACS Examination in General Chemistry Lucy T. Eubanks 1998

Organic Chemistry, Loose-Leaf Print Companion David R. Klein 2017-08-14 *Organic Chemistry, 3rd Edition* offers success in organic chemistry requires mastery in two core aspects: fundamental concepts and the skills needed to apply those concepts and solve problems. Students must learn to become proficient at approaching new situations methodically, based on a repertoire of skills. These skills are vital for successful problem solving in organic chemistry. Existing textbooks provide extensive coverage of the principles but there is far less emphasis on the skills needed to actually solve problems.

Principles of Colloid and Surface Chemistry Paul C. Hiemenz 1993

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 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

The Art of Problem Solving, Volume 1 Sandor Lehoczky 2006-08-01 "...offer[s] a challenging exploration of problem solving mathematics and preparation for programs such as MATHCOUNTS and the American Mathematics Competition."--Back cover

Advances in Teaching Organic Chemistry Kimberly A. O. Pacheco 2013-08-15
Discusses the latest thinking in the approach to teaching Organic Chemistry.

Laboratory Safety for Chemistry Students Robert H. Hill, Jr. 2011-09-21
"...this substantial and engaging text offers a wealth of practical (in every sense of the word) advice...Every undergraduate laboratory, and, ideally, every undergraduate chemist, should have a copy of what is by some distance the best

book I have seen on safety in the undergraduate laboratory." Chemistry World, March 2011 Laboratory Safety for Chemistry Students is uniquely designed to accompany students throughout their four-year undergraduate education and beyond, progressively teaching them the skills and knowledge they need to learn their science and stay safe while working in any lab. This new principles-based approach treats lab safety as a distinct, essential discipline of chemistry, enabling you to instill and sustain a culture of safety among students. As students progress through the text, they'll learn about laboratory and chemical hazards, about routes of exposure, about ways to manage these hazards, and about handling common laboratory emergencies. Most importantly, they'll learn that it is very possible to safely use hazardous chemicals in the laboratory by applying safety principles that prevent and minimize exposures. Continuously Reinforces and Builds Safety Knowledge and Safety Culture Each of the book's eight chapters is organized into three tiers of sections, with a variety of topics suited to beginning, intermediate, and advanced course levels. This enables your students to gather relevant safety information as they advance in their lab work. In some cases, individual topics are presented more than once, progressively building knowledge with new information that's appropriate at different levels. A Better, Easier Way to Teach and Learn Lab Safety We all know that safety is of the utmost importance; however, instructors continue to struggle with finding ways to incorporate safety into their curricula. Laboratory Safety for Chemistry Students is the ideal solution: Each section can be treated as a pre-lab assignment, enabling you to easily incorporate lab safety into all your lab courses without building in additional teaching time. Sections begin with a preview, a quote, and a brief description of a laboratory incident that illustrates the importance of the topic. References at the end of each section guide your students to the latest print and web resources. Students will also find "Chemical Connections" that illustrate how chemical principles apply to laboratory safety and "Special Topics" that amplify certain sections by exploring additional, relevant safety issues. Visit the companion site at <http://userpages.wittenberg.edu/dfinster/LSCS/>.

ACS Style Guide Anne M. Coghill 2006 In the time since the second edition of The ACS Style Guide was published, the rapid growth of electronic communication has dramatically changed the scientific, technical, and medical (STM) publication world. This dynamic mode of dissemination is enabling scientists, engineers, and medical practitioners all over the world to obtain and transmit information quickly and easily. An essential constant in this changing environment is the requirement that information remain accurate, clear, unambiguous, and ethically sound. This extensive revision of The ACS Style Guide thoroughly examines electronic tools now available to assist STM writers in preparing manuscripts and communicating with publishers. Valuable updates include discussions of markup languages, citation of electronic sources, online submission of manuscripts, and preparation of figures, tables, and structures. In keeping current with the changing environment, this edition also contains references to many resources on the internet. With this wealth of new information, The ACS Style Guide's Third Edition continues its long tradition of providing invaluable insight on ethics in scientific communication, the editorial process, copyright, conventions in chemistry, grammar, punctuation, spelling, and writing style for any STM author, reviewer, or editor. The Third Edition is the definitive source for all information needed to write, review, submit, and edit scholarly and scientific manuscripts.

Chemistry For Dummies John T. Moore 2016-05-26 Chemistry For Dummies, 2nd Edition (9781119293460) was previously published as Chemistry For Dummies, 2nd

Edition (9781118007303). While this version features a new Dummies cover and design, the content is the same as the prior release and should not be considered a new or updated product. See how chemistry works in everything from soaps to medicines to petroleum We're all natural born chemists. Every time we cook, clean, take a shower, drive a car, use a solvent (such as nail polish remover), or perform any of the countless everyday activities that involve complex chemical reactions we're doing chemistry! So why do so many of us desperately resist learning chemistry when we're young? Now there's a fun, easy way to learn basic chemistry. Whether you're studying chemistry in school and you're looking for a little help making sense of what's being taught in class, or you're just into learning new things, Chemistry For Dummies gets you rolling with all the basics of matter and energy, atoms and molecules, acids and bases, and much more! Tracks a typical chemistry course, giving you step-by-step lessons you can easily grasp Packed with basic chemistry principles and time-saving tips from chemistry professors Real-world examples provide everyday context for complicated topics Full of modern, relevant examples and updated to mirror current teaching methods and classroom protocols, Chemistry For Dummies puts you on the fast-track to mastering the basics of chemistry.

Chemistry 2e Paul Flowers 2019-02-14

Research and Practice in Chemistry Education Madeleine Schultz 2019-04-06 This book brings together fifteen contributions from presenters at the 25th IUPAC International Conference on Chemistry Education 2018, held in Sydney. Written by a highly diverse group of chemistry educators working within different national and institutional contexts with the common goal of improving student learning, the book presents research in multiple facets of the cutting edge of chemistry education, offering insights into the application of learning theories in chemistry combined with practical experience in implementing teaching strategies. The chapters are arranged according to the themes novel pedagogies, dynamic teaching environments, new approaches in assessment and professional skills - each of which is of substantial current interest to the science education communities. Providing an overview of contemporary practice, this book helps improve student learning outcomes. Many of the teaching strategies presented are transferable to other disciplines and are of great interest to the global community of tertiary chemistry educators as well as readers in the areas of secondary STEM education and other disciplines.

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

2021 Illinois AMP Real Estate Exam Prep Questions & Answers Real Estate Exam Professionals Ltd. 2020-12-21 Pass the 2021 Illinois AMP Real Estate Salesperson Exam effortlessly on your 1st try. In this simple course, which includes both the Illinois state and AMP question and answer exam prep study guide, not only will you learn to pass the state licensing exam, you will also learn: - How to study for the IL exam quickly and effectively. - Secrets to Passing the Real Estate Exam even if you do not know the answer to a question. - How to tackle hard real estate MATH questions with ease and eliminate your fears. - Tips and Tricks from Real Estate Professionals, professional exam writers and test proctors. It will also answer questions like: - Do I need other course materials from companies like Allied Real Estate School? How about Anthony Real Estate School or Kaplan Real Estate School? Are they even good schools to attend? - What kinds of questions are on the Illinois Real Estate License Exam? - Should I use the IL Real Estate License Exams for Dummies Book? This Real Estate Study Guide contains over 1200+ real estate exam questions and answers with full explanations. It includes the Illinois State Specific portion, the AMP portion, real estate MATH ONLY section, and real estate vocabulary only exams. You will receive questions and answers that are similar to those on the Illinois Department of Real Estate Exam. You deserve the BEST real estate exam prep program there is to prepare you to pass, and it gets no better than this. The Illinois Real Estate Salesperson Exam is one of the hardest state test to pass in the United States. We have compiled this simple exam cram book that quickly and easily prepares you to take your state licensing exam and pass it on the 1st try with the AMP exam. Our Real Estate Exam Review is designed to help you pass the real estate exam in the quickest, easiest and most efficient manner possible. Throw away your real estate course test books and class notes, this is all you need to pass!

Foundations of Inorganic Chemistry Gary Wulfsberg 2017-10-12 Foundations of Inorganic Chemistry by Gary Wulfsberg is our newest entry into the field of Inorganic Chemistry textbooks, designed uniquely for a one-semester stand alone course, or to be used in the first semester of a full year inorganic sequence. By covering virtually every topic in the test from the 2016 ACS Exams Institute, this book will prepare your students for success. The new book combines careful pedagogy, clear writing, beautifully rendered two-color art, and solved examples, with a broad array of original, chapter-ending exercises. It assumes a background in General Chemistry, but reviews key concepts, and also assumes enrollment in a Foundations of Organic Chemistry course. Symmetry and molecular orbital theory are introduced after the student has developed an understanding of fundamental trends in chemical properties and reactions across the periodic table, which allows MO theory to be more broadly applied in subsequent chapters. Key Features include: Over 900 end-of-chapter exercises, half answered in the back of the book. Over 180 worked examples. Optional experiments & demos. Clearly cited connections to other areas in chemistry and chemical sciences. Chapter-opening biographical vignettes of noted scientists in Inorganic Chemistry. Optional General Chemistry review sections.

Analytical Chemistry, 7th Edition Gary D. Christian 2013-09-27 The 7th Edition of Gary Christian's Analytical Chemistry focuses on more in-depth coverage and information about Quantitative Analysis (aka Analytical Chemistry) and related fields. The content builds upon previous editions with more enhanced content that deals with principles and techniques of quantitative analysis with more examples of analytical techniques drawn from areas such as clinical chemistry, life sciences, air and water pollution, and industrial analyses.

Active Learning in General Chemistry Mark Blaser 2021-03-15 Active learning methods can provide significant advantages over traditional instructional practices, including improving student engagement and increasing student learning. Focusing on class-level interventions, the chapters in this book showcase evidence-based techniques to encourage active learning in general chemistry. Contributing authors also include approaches to methods that encourage productive ways to engage inside and outside of classroom to support students' transition to university. Faculty and administrators considering more effective general chemistry courses will benefit from reading this volume.

Loose-leaf Version for Introductory Chemistry Kevin Revell 2020-11-17 Introductory Chemistry creates light bulb moments for students and provides unrivaled support for instructors! Highly visual, interactive multimedia tools are an extension of Kevin Revell's distinct author voice and help students develop critical problem solving skills and master foundational chemistry concepts necessary for success in chemistry.

Preparing for Your ACS Examination in Organic Chemistry Examinations Institute-American Chemical Society Division of Chemical Education 2019-12 Organic Chemistry Study Guide

Specifications Grading Linda Nilson 2014-10-22 Linda Nilson puts forward an innovative but practical and tested approach to grading--the specifications grading paradigm--which restructures assessments to streamline the grading process and greatly reduce grading time, empower students to choose the level of attainment they want to achieve, reduce antagonism between the evaluator and the evaluated, and increase student receptivity to meaningful feedback, thus facilitating the learning process - all while upholding rigor. In addition, specs grading increases students' motivation to do well by making expectations clear, lowering their stress and giving them agency in determining their course goals. Among the unique characteristics of the schema, all of which simplify faculty decision making, are the elimination of partial credit, the reliance on a one-level grading rubric and the "bundling" of assignments and tests around learning outcomes. Successfully completing more challenging bundles (or modules) earns a student a higher course grade. Specs grading works equally well in small and large class settings and encourages "authentic assessment." Used consistently over time, it can restore credibility to grades by demonstrating and making transparent to all stakeholders the learning outcomes that students achieve.

Chemical Principles Steven S. Zumdahl 1998

Peer-Led Team Learning David K. Gosser 2005-03 The second edition of Peer-Led Team Learning General Chemistry maintains the underlying philosophy and approach of the first edition, i.e., active learning in peer-led groups engages students in the process of learning chemistry. This engagement results in improved understanding of chemistry concepts and the process of science. The peer-led group model also helps students develop the communication and teamwork skills that are critical in the twenty-first century workplace.

Chemistry in Context Bradley D. Fahlman 2020 "Climate change. Water contamination. Air pollution. Food shortages. These and other global issues are regularly featured in the media. However, did you know that chemistry plays a crucial role in addressing these challenges? A knowledge of chemistry is also essential to improve the quality of our lives. For instance, faster electronic

devices, stronger plastics, and more effective medicines and vaccines all rely on the innovations of chemists throughout the world. With our world so dependent on chemistry, it is unfortunate that most chemistry textbooks do not provide significant details regarding real-world applications. Enter Chemistry in Context—"the book that broke the mold." Since its inception in 1993, Chemistry in Context has focused on the presentation of chemistry fundamentals within a contextual framework"--

Quantitative Literacy Bernard L. Madison 2003

Chemistry OpenStax 2014-10-02 This is part two of two for Chemistry: Atoms First by OpenStax. This book covers chapters 11-21. Chemistry: Atoms First is a peer-reviewed, openly licensed introductory textbook produced through a collaborative publishing partnership between OpenStax and the University of Connecticut and UConn Undergraduate Student Government Association. This title is an adaptation of the OpenStax Chemistry text and covers scope and sequence requirements of the two-semester general chemistry course. Reordered to fit an atoms first approach, this title introduces atomic and molecular structure much earlier than the traditional approach, delaying the introduction of more abstract material so students have time to acclimate to the study of chemistry. Chemistry: Atoms First also provides a basis for understanding the application of quantitative principles to the chemistry that underlies the entire course. The images in this textbook are grayscale.

General, Organic, and Biochemistry Katherine J. Denniston 2020

Student Solutions Manual for Zumdahl/DeCoste's Chemical Principles, 7th Steven S. Zumdahl 2012-01-01 Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Preparing for Your ACS Examination in Physical Chemistry Thomas A. Holme 2009

Starting With Safety American Chemical Society 2008-01-31 Provides an overview on handling chemicals and equipment safely, proper lab behavior, and safety techniques.

Chemistry Nivaldo J. Tro 2019-01-04 NOTE: This loose-leaf, three-hole punched version of the textbook gives you the flexibility to take only what you need to class and add your own notes -- all at an affordable price. For loose-leaf editions that include MyLab(tm) or Mastering(tm), several versions may exist for each title and registrations are not transferable. You may need a Course ID, provided by your instructor, to register for and use MyLab or Mastering products. For courses in chemistry. Actively engage students to become expert problem solvers and critical thinkers Nivaldo Tro's Chemistry: A Molecular Approach presents chemistry visually through multi-level images--macroscopic, molecular, and symbolic representations--to help students see the connections between the world they see around them, the atoms and molecules that compose the world, and the formulas they write down on paper. Interactive, digital versions of select worked examples instruct students how to break down problems using Tro's unique "Sort, Strategize, Solve, and Check" technique and then complete a step in the example. To build conceptual understanding, Dr. Tro employs an active learning approach through interactive media that requires students to pause during videos to ensure they understand before continuing. The 5th Edition pairs digital, pedagogical innovation with insights from

learning design and educational research to create an active, integrated, and easy-to-use framework. The new edition introduces a fully integrated book and media package that streamlines course set up, actively engages students in becoming expert problem solvers, and makes it possible for professors to teach the general chemistry course easily and effectively. Also available with Mastering Chemistry By combining trusted author content with digital tools and a flexible platform, MyLab [or Mastering] personalizes the learning experience and improves results for each student. The fully integrated and complete media package allows instructors to engage students before they come to class, hold them accountable for learning during class, and then confirm that learning after class. NOTE: You are purchasing a standalone product; Mastering(tm) Chemistry does not come packaged with this content. Students, if interested in purchasing this title with Mastering Chemistry, 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 Chemistry, search for: 0134990617 / 9780134990613 Chemistry: A Molecular Approach, Loose-Leaf Plus Mastering Chemistry with Pearson eText -- Access Card Package, 5/e Package consists of: 0134989694 / 9780134874371 Chemistry: A Molecular Approach 013498854X / 9780134989693 Mastering Chemistry with Pearson eText -- ValuePack Access Card -- for Chemistry: A Molecular Approach, Loose-Leaf Edition

Preparing for Your ACS Examination in General Chemistry - the Official Guide

LUCY T. EUBANKS 2018-10-15 This guide is separated into first-term and second-term general chemistry material. Each section contains 8 chapters of material that also aligns to most general chemistry textbooks for a seamless addition to study materials for students. Each chapter is designed with an introductory section of the material including common representations and where to find this material in a textbook. The second section provides worked examples of typical, multiple choice questions including how the correct answer is determined as well as how the incorrect answers were determined. Also included for each study problem is a listing of the corresponding practice questions that use that concept. The final section is a series of practice problems to test the concepts collectively. The key is provided on a separate page for all study and practice problems.

Essentials of Computational Chemistry Christopher J. Cramer 2013-04-29 Essentials of Computational Chemistry provides a balanced introduction to this dynamic subject. Suitable for both experimentalists and theorists, a wide range of samples and applications are included drawn from all key areas. The book carefully leads the reader thorough the necessary equations providing information explanations and reasoning where necessary and firmly placing each equation in context.

Interactive General Chemistry Achieve, 1-term Access Code Macmillan Learning 2020-08-14 Interactive General Chemistry meets students where they are...with a general chemistry program designed for the way students learn. Achieve provides a new platform for Interactive General Chemistry, thoughtfully developed to engage students for better outcomes. Powerful data and analytics provide instructors with actionable insights on a platform that allows flexibility to align with a broad variety of teaching and learning styles and the exciting Interactive General Chemistry program! Whether a student's learning path starts with problem solving or with reading, Interactive General Chemistry delivers the learning experience he or she needs to succeed in general chemistry. Built from the ground up as a digital learning program, Interactive General Chemistry

combines the Sapling Learning homework platform with a robust e-book with seamlessly embedded, multimedia-rich learning resources. This flexible learning environment helps students effectively and efficiently tackle chemistry concepts and problem solving. Student-centered development In addition to Macmillan's standard rigorous peer review process, student involvement was critical to the development and design of Interactive General Chemistry. Using extensive research on student study behavior and data collection on the resources and tools that most effectively promote understanding, we crafted this complete course solution to intentionally embrace the way that students learn. Digital-first experience Interactive General Chemistry was built from the ground up to take full advantage of the digital learning environment. High-quality multimedia resources--including Sapling interactives, PhET simulations, and new whiteboard videos by Tyler DeWitt--are seamlessly integrated into a streamlined, uncluttered e-book. Embedded links provide easy and efficient navigation, enabling students to link to review material and definitions as needed. Problems drive purposeful study Our research into students' study behavior showed that students learn best by doing--so with Interactive General Chemistry, homework problems are designed to be a front door for learning. Expanding upon the acclaimed Sapling homework--where every problem contains hints, targeted feedback, and detailed step-by-step solutions--embedded resources link problems directly to the multimedia-rich e-book, providing just-in-time support at the section and chapter level.

Chemistry II For Dummies John T. Moore 2012-06-08 The tools you need to ace your Chemistry II course College success for virtually all science, computing, engineering, and premedical majors depends in part on passing chemistry. The skills learned in chemistry courses are applicable to a number of fields, and chemistry courses are essential to students who are studying to become nurses, doctors, pharmacists, clinical technicians, engineers, and many more among the fastest-growing professions. But if you're like a lot of students who are confused by chemistry, it can seem like a daunting task to tackle the subject. That's where Chemistry II For Dummies can help! Here, you'll get plain-English, easy-to-understand explanations of everything you'll encounter in your Chemistry II class. Whether chemistry is your chosen area of study, a degree requirement, or an elective, you'll get the skills and confidence to score high and enhance your understanding of this often-intimidating subject. So what are you waiting for? Presents straightforward information on complex concepts Tracks to a typical Chemistry II course Serves as an excellent supplement to classroom learning Helps you understand difficult subject matter with confidence and ease Packed with approachable information and plenty of practice opportunities, Chemistry II For Dummies is just what you need to make the grade.

CLEP Official Study Guide 2022 2021-08-03

Developing Outcomes-Based Assessment for Learner-Centered Education Amy Driscoll 2020-06-11 The authors--a once-skeptical chemistry professor and a director of assessment sensitive to the concerns of her teacher colleagues--use a personal voice to describe the basics of outcomes-based assessment. The purpose of the book is to empower faculty to develop and maintain ownership of assessment by articulating the learning outcomes and evidence of learning that are appropriate for their courses and programs. The authors offer readers a guide to the not always tidy process of articulating expectations, defining criteria and standards, and aligning course content consistently with desired outcomes. The wealth of examples and stories, including accounts of successes

and false starts, provide a realistic and honest guide to what's involved in the institutionalization of assessment.