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64B - REYNA LARSON

Full solutions to all of the red-numbered exercises in the text are provided.

Full solutions to all end-of-chapter exercises in the text are provided. With an instructor's permission, this manual may be made available to students.

This package contains: 0321696727: Chemistry: The Central Science 0321705009: Solutions to Exercises for Chemistry: The Central Science

If you think you know the Brown, LeMay Bursten Chemistry text, think again. In response to market request, we have created the third Australian edition of the US bestseller, Chemistry: The Central Science. An extensive revision has taken this text to new

heights! Triple checked for scientific accuracy and consistency, this edition is a more seamless and cohesive product, yet retains the clarity, innovative pedagogy, functional problem-solving and visuals of the previous version. All artwork and images are now consistent in quality across the entire text. And with a more traditional and logical organisation of the Organic Chemistry content, this comprehensive text is the source of all the information and practice problems students are likely to need for conceptual understanding, development of problem solving skills, reference and test preparation.

Prepared by Roxy Wilson of the University of Illinois-Urbana-Champaign. This manual contains all end-of-chapter exercises in the text. With an instructor, s permission, this manual may be made available to students

Full solutions to all of the black-numbered exercises in the text are provided.

Prepared by John H. Nelson and Kenneth C. Kemp, both of the University of Nevada. This manual contains 43 finely tuned experiments chosen to introduce students to basic lab techniques and to illustrate core chemical principles. You can also customize these labs through Catalyst, our custom database program. For more information, visit <http://www.pearsoncustom.com/custom-library/catalyst> In the Thirteenth Edition, all experiments were carefully edited for accuracy and safety. Pre-labs and questions were revised and several experiments were added or changed. Two of the new experiments have been added to Chapter 11.

The trusted, innovative, calibrated leader Unrivaled problems, 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 student success in general chemistry by building on the expertise of the dynamic author team of leading researchers and award-winning professors. The new Thirteenth Edition builds on the Twelfth Edition's major revision, in which every word and piece of art was scrutinized by all the authors to increase its effectiveness. Placing a greater emphasis on research, this edition is more tightly integrated with MasteringChemistry, the leading online homework, tutorial, and assessment program- resulting in an unparalleled teaching and learning package that personalizes learning and coaches students toward understanding and mastery of tough chemistry topics. This program presents a better teaching and

learning experience-for you and your students. It provides: Enhanced learning from a dynamic author team of leading researchers and award-winning professors: Each member of this well-respected author team brings their expertise in a wide range of areas to the pages of this popular text. All authors have been active researchers and have taught general chemistry for many years. Improved conceptual understanding through stepped up, relevant pedagogy: Students get numerous opportunities to test their knowledge through Give It Some Thought (GIST) exercises, Go Figure questions, and A Closer Look essays, now integrated with clicker questions and in MasteringChemistry. Invaluable aids that ensure problem-solving success: By using a consistent process, a unique Analyze/Plan/Solve/Check format, dual-column problem-solving approach in certain areas, a new practice exercise following each worked example, and the Strategies in Chemistry feature, students are placed on the right path from the very start to excel at problem solving and comprehension. Clarity through visualization from a variety of perspectives, including macroscopic, microscopic, and symbolic: Included are Visualizing Concepts exercises, with models, graphs, and other visual materials; sample exercises with molecular illustrations; and conceptual questions in the end-of-chapter questions. Superior support beyond the classroom with MasteringChemistry: Students benefit from personalized, interactive learning through MasteringChemistry's self-paced tutorials that guide them through the text's most challenging topics; provide immediate, specific feedback; and keep students engaged and on track. Note: You are purchasing a standalone product; MasteringChemistry does not come packaged with this content. MasteringChemistry is not a self-paced technol-

ogy and should only be purchased when required by an instructor.

Prepared by Roxy Wilson of the University of Illinois-Urbana-Champaign. Full solutions to all of the black-numbered exercises in the text are provided.

This manual was written to enhance the end-of-chapter exercises by providing documented solutions. The manual assists the instructor by saving time spent generating solutions for assigned problem sets and aids the student by offering a convenient independent source to check their understanding of the material.

Features detailed step-by-step solutions to the more than 1,500 black-numbered end-of-chapter problems in Chemistry : the central science, twelfth edition.

Enhances the nearly 2300 end-of-chapter exercises by providing documented solutions. The manual cautions that some solutions may vary due to differences in problem-solving methods.

The acknowledged leader and standard in general chemistry, this book maintains its effective and proven features—clarity of writing, scientific integrity, currency, strong exercises, visual emphasis and consistency in presentation. It offers readers an integrated educational solution to the challenges of the learning with an expanded media program that works in concert with the book, helping them to approach problem solving, visualization, and applications with greater success. Chapter topics cover: Matter and Measurement; Atoms, Molecules, and Ions; Stoichiometry: Calculations with Chemical Formulas and Equations; Aqueous Reactions and Solution Stoichiometry; Thermochemistry; Electronic Structure of Atoms; Periodic Properties of the Elements; Basic Con-

cepts of Chemical Bonding; Molecular Geometry and Bonding Theories; Gases; Intermolecular Forces, Liquids, and Solids; Modern Materials; Properties of Solutions; Chemical Kinetics; Chemical Equilibrium; Acid-Base Equilibria; Additional Aspects of Equilibria; Chemistry of the Environment; Chemical Thermodynamics; Electrochemistry; Nuclear Chemistry; Chemistry of the Nonmetals; Metals and Metallurgy; Chemistry of Coordination Compounds; and The Chemistry of Life: Organic and Biological Chemistry. For individuals interested in the study of general chemistry.

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Answers to the odd numbered topical exercises plus selected general exercises, about 1100 in all, are provided ... --Introduction.

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

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