

General Chemistry Principles And Applications

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Explore the foundational principles of general chemistry, delving into the essential theories, laws, and concepts that govern the behavior of matter and energy. Understand how these core chemical ideas are practically applied across diverse fields, from industrial processes and environmental science to medicine and everyday innovations, providing a comprehensive view of chemical science and its real-world impact.

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General Chemistry: Principles and Modern Applications is recognized for its superior problems, lucid writing, and precision of argument. This updated and expanded edition retains the popular and innovative features of previous editions—including Feature Problems, follow-up Integrative and Practice Exercises to accompany every in-chapter Example, and Focus On application boxes, as well as new Keep in Mind marginal notes. Topics covered include atoms and the atomic theory, chemical compounds and reactions, gases, Thermochemistry, electrons in atoms, chemical bonding, liquids, solids, and intermolecular forces, chemical kinetics, principles of chemical equilibrium, acids and bases, electrochemistry, representative and transitional elements, and nuclear and organic chemistry. For individuals interested in a broad overview of chemical principles and applications

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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 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 "

Chemistry

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.

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Offers full solutions to red-numbered end-of-chapter exercises in the text.

General Chemistry

All experiments have been carefully revised for accuracy, safety, and cost as well as having been extensively tested. "Laboratory Safety Rules" and chemical disposal instructions optimize lab safety. This lab manual features 38+ experiments and includes a strong qualitative analysis section and several unique experiments including Chemical Reactions, Identification of Common Chemicals, and Free-radical Bromination of Organic Compounds. A useful reference for chemistry laboratories where qualitative analysis or descriptive chemistry plays a significant role.

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Guides students through the text's coverage with discussions of chapter learning objectives, drill problems, self-quizzes and sample tests.

General Chemistry

Appropriate for 2-semester or 3-quarter general chemistry courses. General Chemistry: Principles and Modern Applications is recognized for its superior problems, lucid writing, and precision of argument. This edition introduces a number of innovative features—including new Feature Problems, new follow-up Practice Exercises to accompany every in-chapter Example, and a number of new Focus On application boxes.

General Chemistry Principles: Modern Applications

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Experiments in General Chemistry

Contains a chapter-by-chapter math review as well as brief information on writing in chemistry and on chemistry careers.

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General Chemistry

The most trusted general chemistry text is back in a thoroughly revised 12th edition. General Chemistry: Principles and Modern Applications has remained one of the most trusted chemistry books in the market for decades. This text is recognized for its superior problems, lucid writing, precision of argument, and meticulous treatment of the subject. The 12th edition offers enhanced hallmark features, new innovations, and revised discussions that respond to key market needs for the detailed and modern treatment of chemistry, embracing the power of visual learning and conquering the challenges of effective problem solving and assessment.

General Chemistry

This Multi Pack consists of: *Petrucci/General Chemistry: Principles and Modern Applications 8/e-0131116738 *Petrucci/Selected Solutions Manual - Selected Solutions Manual

General Chemistry

This guide brings students through the material of the text with discussion of chapter learning objectives, drill problems, self-quizzes, and sample tests.

General Chemistry

Based on the 12 principles of green chemistry this textbook is a forward-thinking and enduring approach to practical sustainability for chemical products and manufacturing processes.

Math Review ToolKit for General Chemistry

Excerpt from General Chemistry, Vol. 1: Principles and Applications This book has been written to meet the demand for a Simple and practical treatment of the principles and applications of Chemistry. The author realizes that demands are now being made of teachers of Chemistry which would hardly have been considered several years ago. Not only must the student be taught the principles of chemistry and their applications in daily life, but he must be taught in such a way that, Should occasion arise, he can use chemistry in earning a living. The plea SO long made that chemistry is practical and useful is now being tested. Consequently the author has kept one thought in mind during the preparation of this book, viz.: principles and applications must go hand in hand. Principles are the foundation upon which applications rest. To teach either one exclusively is hazardous, for when separated one is as barren as the other is superficial. The author has aimed to include in this book not only the principles of Chemistry universally regarded as an essential part of a well-rounded course, but also numerous practical applications. First, the text includes a clear, Simple treatment of the facts, laws, theories, and principles that serve as the foundation of chemistry. This material is written in a style which assumes that the book is to be read, studied, and used by beginners. Special effort has been made to present very clearly such needful topics as atomic weights, equations, and valence. All of this

material is made more serviceable by a liberal selection of original exercises and problems containing many novel and attractive features. Teachers will find in these exercises and problems abundant material to drive home principles and arouse interest in the vocational aspects of chemistry. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

General Chemistry

This valuable supplement provides the student with study and learning objectives, chapter overviews, problem-solving tips and plenty of practice quizzes and tests.

General Chemistry: Principles and Modern Applications

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