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Teaches chemistry by offering a dynamic, provocative and relevant view of the topic and its importance to society and our daily lives. Three themes are stressed throughout the text: developing chemical thinking and chemical vision, and refining problem solving skills. Many chapters in this edition has been rewritten and rearranged to vitalize the topics and to include interesting examples, analogies, and images.

Introduction to Chemistry, Study Guide

Hazmat Chemistry Study Guide (Second Edition)

Super Simple Chemistry

Chemical Principles With Qualitative Analysis

Surviving Chemistry Regents Exam: One Topic Review at a Time

Questions, Answers and Practical Exercises

The Student Study Guide and Solutions Manual provides students with a combined manual designed to help them avoid common mistakes and understand key concepts. After a brief review of each section's critical ideas, students are taken through stepped-out worked examples, try-it-yourself examples, and chapter quizzes, all structured to reinforce chapter objectives and detailed solutions to all odd-numbered exercises in the text.

The images on the cover call attention to the relationship between macro observations and the intimate structure of chemical substances and the changes, both chemical and physical, that they undergo. Fireworks: One of the ingredients is phosphorus, a molecular form of which is believed to consist of linked tetrahedra of phosphorus atoms. The chemical reaction that produces the light. Carbon: The element is found in several forms, including the familiar diamond and another, recently discovered, sooty substance that consists of soccer-ball shaped molecules, often referred to as "buckyballs." Diamond is not the most stable form of carbon and is created from other forms of carbon at high temperatures and pressures deep within the earth.

generated by the chemical reaction of acetylene with oxygen, a reaction between molecules of C₂H₂ and O₂ to give CO₂ and H₂O. Hot air balloon: The air that helps it rise is heated by the combustion of molecules of propane, each composed of three carbon and eight hydrogen atoms. Stormy weather: The evaporation of water serves to store energy provided by the sun. Energy and is the basis of all the weather systems on our planet.

A practical, complete, and easy-to-use guide for understanding major chemistry concepts and terms Master the fundamentals of chemistry with this fast and easy guide. Chemistry is a fundamental science that touches all other sciences, including biology, physics, electronics, environmental studies, astronomy, and more. Thousands of students have successfully used this Teaching Guide to learn chemistry, either independently, as a refresher, or in parallel with a college chemistry course. This newly revised edition includes updates and additions to improve your success in learning chemistry. This book uses an interactive, self-teaching method including frequent questions and study problems, increasing both the speed of learning and the depth of understanding.

quickly. This revised Third Edition provides a fresh, step-by-step approach to learning that requires no prerequisites, lets you work at your own pace, and reinforces what you learn, ensuring lifelong mastery. Master the science of basic chemistry with this innovative, self-paced study guide Teach yourself chemistry, refresh your knowledge in preparation for medical school entrance exams, and prepare for a career in the sciences, medicine, or engineering with the core content in this user-friendly guide Authored by expert postsecondary educators, this unique book gently leads students to deeper levels and concepts with practice, critical thinking, and research projects.

Use self-study features including review questions and quizzes to ensure that you're really learning the material Prepare for a career in the sciences, medicine, or engineering with the core content in this user-friendly guide Authored by expert postsecondary educators, this unique book gently leads students to deeper levels and concepts with practice, critical thinking, and research projects. Preview Preview PREVIEW, READ AND PRINT OVER 30 PAGES OF THIS BOOK BEFORE BUYING. Visit our website (SURVIVINGCHEM dot COM) to get a stunning online digital Flipbook preview.Coming November 15th 2013: A new revision for the 2014 Regents Exam Prep. Cleaner, clearer, with topic-by-topic Regents review questions and Practice exams.Studying and practicing for the NYS Regents Exam is no easy feat. This book provides a comprehensive review of the topics you need to know to succeed on the exam. It is divided into sections for each topic, with clear explanations and examples. The book is available in three cover colors: Green, Purple, and Orange. Your book. Your Color. Your Choice.Color Print Version (For easier and more exciting learning. Please See our other books). This book is written to be studied, not just read. This book is available in three cover colors: Green, Purple, and Orange. Your book. Your Color. Your Choice.Color Print Version (For easier and more exciting learning. Please See our other books). For Great visual chemistry and a more exciting, and even quicker learning experience, this book is available in three cover colors: Green, Purple, and Orange. Your book. Your Color. Your Choice.

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The image on the front cover depicts a carbon nanotube emerging from a glowing plasma of hydrogen and carbon, as it forms around particles of a metal catalyst. Carbon nanotubes are a recently discovered allotrope of carbon. Three other allotropes of carbon-buckyballs, graphite, and diamond-are illustrated at the left, as is the molecule methane, CH₄, from which nanotubes and buckyballs can be made. The element carbon forms an amazing number of compounds with structures that follow from simple methane, found in natural gas, to the complex macromolecules that serve as the basis of life on our planet. The study of chemistry also follows from the simple to the more complex, and the strength of this text is that it enables students with varied backgrounds to proceed together to significant levels of achievement.

Study Guide to Accompany Basics for Chemistry

Guide

Know Your 'O' Level Chemistry - A Study Guide

Study Guide

The Practice of Chemistry Study Guide & Solutions Manual

Advanced Study Guide Chemistry

Parise and Loudon's Study Guide and Solutions Manual offers the following learning aids: * Links that provide hints for study, approaches to problem solving, and additional explanations of challenging topics; * Further Explorations that provide additional depth on key topics; * Reaction summaries that delve into key mechanisms and stereochemistry; * Solutions to all the textbook problems. Rather than providing just the answer, many of the solutions provide detailed explanations of how the problem should be approached.

Organic Chemistry Study Guide: Key Concepts, Problems, and Solutions features hundreds of problems from the companion book, Organic Chemistry, and includes solutions for every problem. Key concept summaries reinforce critical material from the primary book and enhance mastery of this complex subject. Organic chemistry is a constantly evolving field that has great relevance for all scientists, not just chemists. For chemical engineers, understanding the properties of organic molecules and how reactions occur is critically important to understanding the processes in an industrial plant. For biologists and health professionals, it is essential because nearly all of biochemistry springs from organic chemistry. Additionally, all scientists can benefit from improved critical thinking and problem-solving skills that are developed from the study of organic chemistry. Organic chemistry, like any "skill", is best learned by doing. It is difficult to learn by rote memorization, and true understanding comes only from concentrated reading, and working as many problems as possible. In fact, problem sets are the best way to ensure that concepts are not only well understood, but can also be applied to real-world problems in the work place. Helps readers learn to categorize, analyze, and solve organic chemistry problems at all levels of difficulty Hundreds of fully-worked practice problems, all with solutions Key concept summaries for every chapter reinforces core content from the companion book

Study more effectively and improve your performance at exam time with this comprehensive guide. The study guide includes: chapter summaries that highlight the main themes, study goals with section references, solutions to all textbook Example problems, and over 1,500 practice problems for all sections of the textbook. The Study Guide helps you organize the material and practice applying the concepts of the core text. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

In order to fully understand any subject, the fundamentals must be understood and kept in the back of the mind. Organic Chemistry is one of the most difficult subjects a college student can take, especially if they are not a Chemistry major. A lot goes into the fundamentals of the subject. That is why an Organic Chemistry Fundamentals book can be so helpful to a student. When studying the material, if the student discovers they do not understand something, they can reference the book and continue with studying in no time at all. Having a reference book is the key to success in an Organic Chemistry class.

Barron's Science 360: A Complete Study Guide to Chemistry with Online Practice

Organic Chemistry Fundamentals Study Guide

O Level Chemistry Quick Study Guide & Workbook

Key Concepts, Problems, and Solutions

9th Grade Chemistry Quick Study Guide & Workbook

Previously published as: Chemistry: the easy way by Joseph A. Mascetta in 2019.

Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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