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Foundation Course for NEET (Part 2): Chemistry Class 9 Cambridge University Press

Part one includes information on some of the key alternative conceptions that have been uncovered by research and general ideas for helping students with the development of scientific conceptions.

Physics, Volume 2 Prentice Hall

This book is meant for students grades 6 and higher. It addresses concepts that are critical to the understanding of the inner structure of the atom, which lays the foundation for appreciating how elements behave in chemical reactions. The text has been integrated with colorful images that help engage the visual with the conceptual. No prerequisites are necessary. The book is suitable for the beginner who has not studied chemistry before, and for the student who wants to clarify questions for review purposes. A couple of mathematical chapters were also infused into the book to support younger learners with the necessary mathematical background to succeed. To get the most from this book, students should summarize each chapter and rehearse the concepts. Attempting to work independently through all problems at the end of the book is beneficial only before reading the solutions. When solving problems, one can be sure the chemical principles presented were well understood. Restricting oneself to only reading is incomplete learning. The series walks learners gradually and conceptually through the chemical and particle physics theories that are meant to jumpstart a more profound scientific understanding. Topics covered in this volume: Subatomic Particle, Atomic Mass, Period Table of Elements, Atomic Number, Isotope and Ion Notations, Atomic Weight, The Mole, Molar Mass, Exponents, The Rule of Three, Practice problems and easy to follow solutions.

The Newer Alchemy Mark Twain Media

A version of the OpenStax text

Cambridge International AS and A Level Chemistry Coursebook with CD-ROM The Rosen Publishing Group, Inc
Fundamentals of General, Organic, and Biological Chemistry by McMurry, Ballantine, Hoeger, and Peterson provides background in chemistry and biochemistry with a relatable context to ensure students of all disciplines gain an appreciation of chemistry's significance in everyday life. Known for its clarity and concise presentation, this book balances chemical concepts with examples, drawn from students' everyday lives and experiences, to explain the quantitative aspects of chemistry and provide deeper insight into theoretical principles. The Seventh Edition focuses on making connections between General, Organic, and Biological Chemistry through a number of new and updated features -- including all-new Mastering Reactions boxes, Chemistry in Action boxes, new and revised chapter problems that strengthen the ties between major concepts in each chapter, practical applications, and much more.

NOTE: this is just the standalone book, if you want the book/access card order the ISBN below: 032175011X / 9780321750112 Fundamentals of General, Organic, and Biological Chemistry Plus MasteringChemistry with eText -- Access Card Package Package consists of: 0321750837 / 9780321750839 Fundamentals of General, Organic, and Biological Chemistry 0321776461 / 9780321776464 MasteringChemistry with Pearson eText -- Valuepack Access Card -- for Fundamentals of General, Organic, and Biological Chemistry

POGIL Activities for High School Chemistry The Rosen Publishing Group, Inc

An explanation of the composition, behavior, and uses of atoms, molecules, and quarks, the building blocks of the universe.

The Structure of Atoms John Wiley & Sons

Atoms may be microscopic but they make up everything you see and even everything you don't see—like air. With this book, readers will journey into that microscopic realm of physical science to better understand the atom, its various components, and how they interact to form all the matter around us.

The Atom Classroom Complete Press

Learn about the atom, what it is, the people responsible for helping us understand it, and how it affects us in the world today.

Biological Mass Spectrometry The Rosen Publishing Group, Inc

Atoms and molecules, two of the basic units of matter, are examined in this program through animated graphics, charts, and experiments. Models of three simple elements - hydrogen, helium, and lithium - help to explore the structure of atoms. A study of subatomic particles describes the functions of protons, electrons, and neutrons, their electrical charges, and their distribution within an atom. A special segment examines the properties of atoms, explaining how atomic mass and atomic numbers are calculated.

Atoms Gulf Professional Publishing

Our NEET Foundation series is sharply focused for the NEET aspirants. Most of the students make a career choice in the middle school and, therefore, choose their stream informally in secondary and formally in senior secondary schooling, accordingly. If you have decided to make a career in the medical profession, you need not look any further! Adopt this series for Class 9 and 10 today.

The Basics of Atoms and Molecules Cambridge University Press

Discusses the basic concepts of atoms and molecules.

Chemistry The Rosen Publishing Group, Inc

Connect students in grades 4 and up with science using Learning about Atoms. This 48-page book covers topics such as the development of the theory of the atom, atomic structure, the periodic table, isotopes, and researching famous scientists. Students have the opportunity to create a slide show presentation about elements while using process skills to observe, classify, analyze, debate, design, and report. The book includes vocabulary, crossword puzzles, a quiz show review game, a unit test, and answer keys.

Anatomy & Physiology The Rosen Publishing Group, Inc

Chemistry 2e is designed to meet the scope and sequence requirements of the two-semester general chemistry course. The textbook provides an important opportunity for students to learn the core concepts of chemistry and understand how those concepts apply to their lives and the world around them. The book also includes a number of innovative features, including interactive exercises and real-world applications, designed to enhance student learning. The second edition has been revised to incorporate clearer, more current, and more dynamic explanations, while maintaining the same organization as the first edition. Substantial improvements have been made in the figures, illustrations, and example exercises that support the text narrative. Changes made in Chemistry 2e are described in the preface to help instructors transition to the second edition.

A New System of Chemical Philosophy Brooks Cole

A look into the discovery of the neutron, which completed our picture of the structure of the atom and enabled us to explain the existence of isotopes and understand how nuclear fission occurs.

The A-B-C of Electrons, Atoms, and Molecules S. Chand Publishing

This is a discount Black and white version. Some images may be unclear, please see BCCampus website for the digital version. This book was born out of a 2014 meeting of earth science educators representing most of the universities and colleges in British Columbia, and nurtured by a widely shared frustration that many students are not thriving in courses because textbooks have become too expensive for them to buy. But the real inspiration comes from a fascination for the spectacular geology of western Canada and the many decades that the author spent exploring this region along with colleagues, students, family, and friends. My goal has been to provide an accessible and comprehensive guide to the important topics of geology, richly illustrated with examples from western Canada. Although this text is intended to complement a typical first-year course in physical geology, its contents could be applied to numerous other related courses.

Learning About Atoms, Grades 4 - 8 Royal Society of Chemistry

Fully revised and updated content matching the Cambridge International AS & A Level Chemistry syllabus (9701). Endorsed by Cambridge International Examinations, the Second edition of the AS/A Level Chemistry Coursebook comprehensively covers all the knowledge and skills students need for AS/A Level Chemistry 9701 (first examination 2016). Written by renowned experts in Chemistry, the text is written in an accessible style with international learners in mind. The Coursebook is easy to navigate with colour-coded sections to differentiate between AS and A Level content. Self-assessment questions allow learners to track their progression and exam-style questions help learners to prepare thoroughly for their examinations. Contemporary contexts and applications are discussed throughout enhancing the relevance and interest for learners.

Discovering Atoms The Rosen Publishing Group, Inc

Provides a history of atoms, explores the properties and laws of chemicals, and discusses the new subatomic particles.

Atoms, Molecules & Elements: What Are Elements? Gr. 5-8 Classroom Complete Press

Introducing the Pearson Chemistry 11 Queensland Skills and Assessment Book. Fully aligned to the new QCE 2019 Syllabus. Write in Skills and Assessment Book written to support teaching and learning across all requirements of the new Syllabus, providing practice, application and consolidation of learning. Opportunities to apply and practice performing calculations and using algorithms are integrated throughout worksheets, practical activities and question sets. All activities are mapped from the Student Book at the recommend point of engagement in the teaching program, making integration of practice and rich learning activities a seamless inclusion. Developed by highly experienced and expert author teams, with lead Queensland specialists who have a working understand what teachers are looking for to support working with a new syllabus.

Chemistry for Kids, the Atomic Structure Cambridge University Press

Explains what an atom is and why it is important and describes the particles that make up atoms.

Atoms, Energy, and Machines National Academies Press

Describes and integrates the techniques of many advances in both chromatographic and mass spectrometric technologies. This book also covers various biophysical applications, such as H/D exchange for study of conformations, protein-protein and protein-metal and ligand interactions. It also describes atto-to-zepto-mole quantitation of ^{14}C and ^3H .

Atomic and Molecular Structure Putnam Juvenile

In the newly revised Twelfth Edition of Physics: Volume 2, an accomplished team of physicists and educators delivers an accessible and rigorous approach to the skills students need to succeed in physics education. Readers will learn to understand foundational physics concepts, solve common physics problems, and see real-world applications of the included concepts to assist in retention and learning. The text includes Check Your Understanding questions, Math Skills boxes, multi-concept problems, and worked examples. The second volume of a two-volume set, Volume 2 explores ideas and concepts like the reflection, refraction, and wave-particle duality of light. Throughout, students knowledge is tested with concept and calculation problems and team exercises that focus on cooperation and learning.