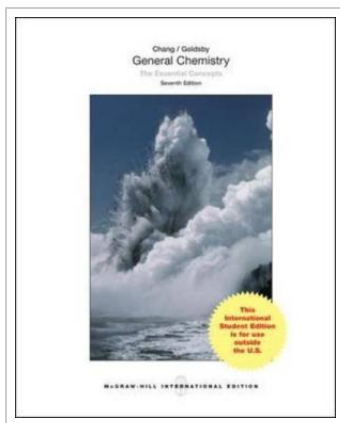




General Chemistry: The Essential Concepts

By Chang, Raymond / Goldsby, Kenneth

Book Condition: New. Publisher/Verlag: McGraw-Hill Professional | The seventh edition of General Chemistry continues the tradition of presenting only the material that is essential for a one-year general chemistry course. It strikes a balance between theory and application by incorporating real-world examples; helping students visualize the three-dimensional atomic and molecular structures that are the basis of chemical activity; and developing problem-solving and critical thinking skills. Although the seventh edition incorporates many impressive features, such as conceptual idea review, animations correlated to the text, and hand-sketched worked examples, General Chemistry is still 200 to 300 pages shorter and much less expensive than other two-semester textbooks. Dr. Chang and Dr. Goldsby's concise-but-thorough approach will appeal to efficiency-minded instructors and value-conscious students. | 1 Introduction 2 Atoms, Molecules, and Ions 3 Stoichiometry 4 Reactions in Aqueous Solutions 5 Gases 6 Energy Relationships in Chemical Reactions 7 The Electronic Structure of Atoms 8 The Periodic Table 9 Chemical Bonding I: The Covalent Bond 10 Chemical Bonding II: Molecular Geometry and Hybridization of Atomic Orbitals 11 Introduction to Organic Chemistry 12 Intermolecular Forces and Liquids and Solids 13 Physical Properties of Solutions 14 Chemical Kinetics 15 Chemical Equilibrium 16 Acids and Bases 17 Acid-Base Equilibria...



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