Petrucci: General Chemistry
Principles and Modern Applications

• Front Matter

• 1: Matter- Its Properties and Measurement

• 2: Atoms and The Atomic Theory
3: Chemical Compounds

4: Chemical Reactions

5: Introduction to Reactions in Aqueous Solutions

6: Gases

7: Thermochemistry
8: Electrons in Atoms

9: The Periodic Table and Some Atomic Properties

10: Chemical Bonding I: Basic Concepts

11: Chemical Bonding II: Additional Aspects
12: Intermolecular Forces: Liquids And Solids

• 13: Solutions and their Physical Properties

• 14: Chemical Kinetics

• 15: Principles of Chemical Equilibrium
16: Acids and Bases

17: Additional Aspects of Acid-Base Equilibria

18: Solubility and Complex-Ion Equilibria

19: Spontaneous Change: Entropy and Gibbs Energy
20: Electrochemistry

21: Chemistry of The Main-Group Elements I

22: Chemistry of The Main-Group Elements II

23: The Transition Elements
24: Complex Ions and Coordination Compounds

• 25: Nuclear Chemistry

• 26: Structure of Organic Compounds

• 27: Reactions of Organic Compounds
28: Chemistry of The Living State

- Back Matter