This Textmap is designed for the two-semester general chemistry course and has been developed to meet the scope and sequence of most general chemistry courses. The organization follows the textbook "Chemistry: the Central Science" by Brown et al., but the content differs in detail.
3: Stoichiometry: Chemical Formulas and Equations

4: Reactions in Aqueous Solution

5: Thermochemistry

6: Electronic Structure of Atoms
7: Periodic Properties of the Elements

8: Basic Concepts of Chemical Bonding

9: Molecular Geometry and Bonding Theories

10: Gases
11: Liquids and Intermolecular Forces

12: Solids and Modern Materials

13: Properties of Solutions

14: Chemical Kinetics
15: Chemical Equilibrium

16: Acid–Base Equilibria

17: Additional Aspects of Aqueous Equilibria

18: Chemistry of the Environment
19: Chemical Thermodynamics

20: Electrochemistry

21: Nuclear Chemistry

22: Chemistry of the Nonmetals
24: Chemistry of Coordination Chemistry

25: Chemistry of Life: Organic and Biological Chemistry

Back Matter