A general chemistry Libretexts Textmap organized around the textbook

**Chemistry: The Molecular Nature of Matter and Change**
by Martin Silberberg

- 1: Keys to the Study of Chemistry
- 2: The Components of Matter
- 3: Stoichiometry of Formulas and Equation
4: Three Major Classes of Chemical Reactions

5: Gases and the Kinetic-Molecular Theory

6: Thermochemistry - Energy Flow and Chemical Change

7: Quantum Theory and Atomic Structure
8: Electron Configuration and Chemical Periodicity

• 9: Models of Chemical Bonding

• 10: The Shapes of Molecules

• 11: Theories of Covalent Bonding
12: Intermolecular Forces- Liquids, Solids, and Phase Change

• 13: The Properties of Mixtures- Solutions and Colloids

• 14: Periodic Patterns in the Main-Group Elements

• 15: Organic Compounds and the Atomic Properties of Carbon
16: Kinetics - Rates and Mechanisms of Chemical Reactions

17: Equilibrium - The Extent of Chemical Reactions

18: Acid-Base Equilibria

19: Ionic Equilibria in Aqueous Systems
20: Thermodynamics- Entropy, Free Energy, and the Direction of Chemical Reactions

21: Electrochemistry- Chemical Change and Electrical Work

22: The Elements in Nature and Industry

23: Transition Elements and Their Coordination Compounds
24: Nuclear Reactions and Their Applications