



Introductory Chemistry

Abbreviated Term: 10 Labs

Version 4

Introduction to Chemistry and Experimental Procedures

- Lab 1: Laboratory Safety and Procedures
- Lab 2: Thinking Like a Chemist: The Scientific Method

Measurements and Their Applications

- Lab 3: Data Analysis and Graphing

Classification of Elements

- Lab 4: Periodic Trends in Atomic Properties
- Lab 5: Molar Mass

Atoms and Atomic Theory

- Lab 6: Electron Configuration

Chemical Bonding and Molecular Structure

- Lab 7: Molecular Geometry: The VSEPR Model

Chemical Reactions

- Lab 8: Types of Chemical Reactions

Overview of the Gas Laws

- Lab 9: Using the Ideal Gas Law

Acids and Bases

- Lab 10: The Nature of Acids and Bases: Exploring the pH Scale

