



Introductory Chemistry

Second Semester/Term: 13 Labs

Version 2

Introduction to Chemistry and Experimental Procedures

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

Chemical Reactions

- Lab 3: Evaluating Precipitation Reactions
- Lab 4: Types of Chemical Reactions
- Lab 5: Oxidation-Reduction Reactions

Classification of Elements

- Lab 6: Molar Mass
- Lab 7: Periodic Trends in Atomic Properties
- Lab 8: Stoichiometric Calculations: Reactants and Products

Overview of the Gas Laws

- Lab 9: Using the Ideal Gas Law

Introduction to Kinetics and Reaction Rates

- Lab 10: Exploring Reaction Rates
- Lab 11: Chemical Kinetics and Catalysis

Discovering the pH Scale with Acids and Bases

- Lab 12: The Nature of Acids and Bases: Exploring the pH Scale
- Lab 13: Titrations and Equivalence Points

