



Science Labs

Introductory Chemistry

Chemistry and Experiments:

Lab 1: Introduction and Safety

Lab 2: The Scientific Method

Measurements:

Lab 3: Measurements

Lab 4: Properties of Matter - Density

Matter and Energy:

Lab 5: Mixtures and Solutions

Lab 6: Chemical and Physical Change

Lab 7: Heat and Calorimetry

Lab 8: Chemical Processes

Atomic Theory and Structure:

Lab 9: Electron Configuration

Lab 10: Light Spectrum

Chemical Bonding:

Lab 11: Molecular Models

Lab 12: Ionic and Covalent Bonds

Lab 13: Polar Bonding

Introducing Chemical Reactions:

Lab 14: Chemical Reactions I

Lab 15: Chemical Reactions II

Lab 16: Metals and Oxidation





Introductory Chemistry

Classification of Elements :

Lab 17: The Mole and Avogadro's Number

Lab 18: The Periodic Table

Lab 19: Stoichiometry

Gas Laws:

Lab 20: Ideal Gas Law

Reaction Rates:

Lab 21: Reaction Rate

Lab 22: Catalysts

Acids and Bases:

Lab 23: Acids and Bases

Lab 24: Titration