

Matter and Atomic Structure - [Slides](#)

Matter and Particles
States of Matter and Energy
Phase Changes
Atoms and Elements
Periodic Table
Classification of Matter
Separating a Mixture
Chemical vs Physical Properties and Changes

Radioactivity and Ionic Bonding

Isotopes
Radioactive Decay
Half Life
Electron Orbitals
Valence Electrons/Shells
Chemical Formulas
Naming Ionic Compounds

Covalent Bonding, Polarity and KMT - [Slides](#)

Covalent Bonds
Lewis Structures
VSEPR
Polarity
KMT

Chemical Reactions - [Slides](#)

Chemical Reactions and Equations
Balancing Equations
Types of Chemical Reactions (Slide Notes) / Types of Chemical Reactions (Board Notes)
Combustion Reactions (Slide Notes) / Combustion Reactions (Board Notes)
Writing Equations from Words
Predicting Products

Moles and BCA Tables

Mole and Molar Mass
Mole Ratio and BCA Tables
BCA Table Practice
BCA Tables with Mass
BCA Practice Problems
Limiting Reactants and Percent Yield
Limiting Reactants and Percent Yield Practice Problems