

QUARTER 1		
Element Names Metric Conversions Significant Digits Mass Matter Electron Configurations	Chemical and Physical Changes and Properties Classification of Matter Density Energy of Reactions History of the Atom	Bohr Models Lewis Dot Diagrams Conservation of Matter Conservation of Mass Atomic Structure Spectroscopy
QUARTER 2		
History of the Periodic Table Trends in the Periodic Table States of Matter in Elements Characteristics of Elements (Physical Properties) Chemical Reactions Octet Rule Ionic Bonding	Oxidation Numbers Polyatomic ions Transition bonding Hydrates Covalent Bonding Molecule naming Metallic Bonding/ Compounds Identifying chemical reactions	Balancing chemical equations Chemical Reaction types (synthesis, decomposition, single replacement, double replacement, combustion) Equilibrium in equations Effects on reaction rate (temperature, concentration, surface area) Compound naming
QUARTER 3		
Stoichiometry Molar Mass Molecular Mass Formula Mass Theoretical Yield Actual Yield Mass Percents	Chemical Formulas Gas Pressure and units Pressure Conversions Boyles Law Charles Law Combined Gas Law	Ideal Gas Law Kinetic Molecular Theory Solids Liquids Gases Phase Changes
QUARTER 4		
Transition Elements electron configurations Element properties Family properties	Family of Elements Project Patterns in reactivity Electronegativity Shielding effect	Polar and non-polar bonds Molecular Shapes Uniqueness of water