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