Science 9: Unit 1: Chemistry Test Review

Materials taken from the following sections of the textbook:

- Section 1.1- safety symbols, part 2 Setting safety rules questions
- Section 1.2- Properties of Matter- physical properties, chemical properties and alloy
- Section 1.7- Physical and Chemical Change- clues of a chemical change
- Section 1.9- Corrosion- preventing corrosion
- Section 1.11- Combustion- word equation, fire triangle
- Section 2.1- Pure substances and mixtures particle theory, elements/compounds, atoms/molecules.
- Section 2.7- Chemical symbols/formulas
- Section 2.10- Names and Formulas for Compounds
- Section 3.3- Inside the Atom, charged atom (ion)
- Section 3.4- Bohr/Bohr Rutherford Diagrams
- Section 3.6- Isotopes/radioactivity
- Section 4.4- Group of Elements

Make sure you are able to define the following words:

Matter	State	Physical properties	Chemical properties
Hardness	Malleability	Melting point	Boiling point
Crystal form	Solubility	Viscosity	Density
Combustible	Reaction with acid	Alloy	Physical change
Chemical change	Pure substances	Mixtures	Solution
Elements	Compounds	Atom	Molecule
Combining capacity	Ductile	Heterogeneous & Homogeneous mixtures	
Ion	Corrosion	Proton	Electron
Neutron	Sublimation	Element	Compound

Know:

The differences between physical and chemical properties and be able to identify each. (In Multiple choice)

WHMIS and HHPS symbols and definitions

The differences between physical and chemical changes and be able to identify each.(In Multiple Choice)

Particle Theory of matter (4 parts)

Be able to:

Count atoms on compounds

Tell the difference between chemical symbols and formulas

Draw Bohr-Rutherford Diagrams

Locate Elements on the periodic table given group and period (Ex. What element is Group5 Period 4?) Explain "All compounds are molecules but not all molecules are compounds"

Use the periodic table to fill in the chars for Element Name, Atomic Number, Mass Number, Standard Notation, Numbers of protons, Number of electrons. Similar to assignments.