

CHEMISTRY UNIT TEST CHECKLIST

Basic Definitions: Atom, electron, isotope, neutron, proton (in multiple choice)

How Ionic Bonding occurs (diagram)

Covalent bonding (Lewis Dot Diagrams)

Properties of Ionic + Covalent compounds (State, MP/BP, Solubility in P + NP solvent, Conductivity)

Nomenclature (20 marks), Ionic, Binary, Divalent, Multivalent, Polyatomic ions, Hydrates, Ionic + Acid Salts, Covalent, Acids + Bases

*Propane + Methane +

Balancing Equations (5 of them, each is worth 4/3 marks)

Writing word equations ? Balanced Formula

Types of Reactions (4 types)

Combustion products (of complete + incomplete)

Acids + Bases (properties + reactions + Parent acids)

*They are all electrolytes (things that conduct electricity)

Difference between strong and weak acids and bases

Indicators of strength of acid/base

pH Paper

Different metals (they create Hydrogen gas)

Electrodes (bright = strong)

Reaction with metal carbonate

Neutralization temperature (strong= high, weak = low)

Rates of Reaction

Factors that affect rate of reaction, graphs, what factors affects what on the graph etc

Reactivity Scale

Trends of Periodic table