

STUDY GUIDE FINAL EXAM CHEMISTRY

CHAPTERS 1-8

The following concepts will be covered on the final exam;

Matter, Mass, States of matter, Chemical change vs. physical change, Metric conversions, SI base units, Density, Homogeneous vs. heterogeneous, Scientific method, Accuracy vs. precision, Significant figures, Law of conservation of mass, John Dalton, JJ Thomson, Dmitri Mendeleev, Henry Mosley, Niels Bohr, Ernest Rutherford, Isotopes, Atomic theory, Electron configuration, Periodic Table(Periodic trends, law, period group) , Characteristics of metals and nonmetals, Cation, Anion, Polyatomic Ions, Naming compounds, Writing compounds, Ionic and covalent bonding, VSEPR, Molecular Geometry, Polar, Nonpolar, Molar mass, Empirical formula, Molecular formula, Percent composition, Molar Conversions How to write and balance a chemical equation, Precipitate, Identify the types of reactions, activity series, solubility table

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