

**CHEMISTRY 1 For Honor's, Enriched or College Prep. Not for AP or Second year. 25 multiple choice questions.**

**January Test:** scientific method, measurement, factor label conversions, properties, density, graphing, mixtures, compounds, formulas, mole, weight percent, chemical reactions, using the metal and non-metal activity series for writing chemical reactions, types of reactions, stoichiometry, atomic structure and history, but not electronic configuration.

**February Test:** Quantum Theory, Electronic structure, orbital notation, dot notation, periodic behavior, specific heat, heat of phase changes, molar heat of fusion, molar heat of vaporization, plus January topics.

**March Test:** Chemical bonding, molecular structure, simple isomers, intermolecular attractions, redox but not balancing redox equations, kinetic theory, solids, liquids, gases, gas laws, gas Stoichiometry, mole fraction as applied to gases, plus January and February topics.

**April Test:** solutions, solubility rules, reaction rates, chemical equilibrium, entropy, reaction spontaneity,  $K_{eq}$ , acids, bases, salts, net ionic equations, thermo chemistry,  $\Delta H$ , Hess's law, plus January, February, and March topics.