

RSPT 1060 – EXAM IV STUDY GUIDE

- 50 Multiple-choice questions
- 7 questions from Introduction/Module A
- Balance of questions dealing with chemistry (Module B-1, B-2 & B-3)
 - B-1 (8 questions)
 - Definitions of terms associated with atomic structure
 - Pure substance vs. Mixture
 - Universe vs. Crust vs. Human Body (e.g. macronutrients)
 - Atom vs. Element vs. Molecule vs. Compound
 - Physical vs. Chemical properties
 - Size vs. Mass of atom
 - B-2 (15 questions)
 - Deriving # of atomic particles (protons, neutrons, or electrons) from a periodic table (including isotopes)
 - Determine the number of valence electrons present
 - Chemical symbol or name
 - Groups of elements vs. Class of elements
 - Key characteristics of metals, non-metals, and metalloids
 - Stable vs Neutral
 - Determine electronegativity
 - B-3 (20 questions)
 - Terms associated with chemical bonding.
 - Electron placement and bonding.
 - Types of chemical bonds (ionic vs. covalent)
 - Define what a fixed weight ratio is.
 - Types of chemical reactions
 - Compounds vs. polyatomic ion.
 - Naming of compounds & polyatomic ions.
 - Terms used for oxidation -reduction reactions.