

Name _____

Elementary Chemistry: The Interactions of Elements and Compounds

Multiple Choice Questions

1. What are the smallest units of an element that retain its chemical properties?
 - a) Compounds
 - b) Atoms
 - c) Mixtures
 - d) Ions

2. Which type of bond involves the sharing of electrons between atoms?
 - a) Ionic bond
 - b) Metallic bond
 - c) Covalent bond
 - d) Hydrogen bond

3. What is the primary outcome of combustion reactions involving hydrocarbons?
 - a) Formation of carbon dioxide and water
 - b) Production of helium gas
 - c) Release of pure hydrogen gas
 - d) Creation of ozone in the atmosphere

4. Which chemical process allows plants to convert carbon dioxide and water into glucose and oxygen?
 - a) Respiration
 - b) Combustion
 - c) Photosynthesis
 - d) Oxidation

5. What field benefits from understanding chemical interactions involving elements and compounds?
 - a) Astronomy
 - b) Chemistry
 - c) Geology
 - d) Botany

