

Name _____

Exploring the Diversity of Elements and Molecules in Nature

Multiple Choice Questions

1. What is an element?
 - a) A substance made up of different types of atoms
 - b) A mixture of molecules
 - c) A substance that cannot be broken down into simpler substances by chemical means
 - d) A type of molecule

2. How many elements have been identified as of now?
 - a) 10
 - b) 50
 - c) 100
 - d) 118

3. What is a molecule?
 - a) A type of element
 - b) A mixture of different atoms
 - c) A substance that cannot be broken down into simpler substances by chemical means
 - d) Formed when two or more atoms combine chemically

4. What is the primary difference between elements and molecules?
 - a) Elements have atoms, while molecules have protons.
 - b) Elements are composed of atoms, while molecules are not.
 - c) Elements are substances that can be broken down into simpler substances, while molecules are not.
 - d) Elements are made up of one type of atom, while molecules are formed by the combination of two or more atoms.

5. Which of the following is an example of a molecule?
 - a) Carbon
 - b) Iron
 - c) Oxygen
 - d) Water

