

Name _____

Molecules in Action: Understanding Reactants and Products in a Chemical Reaction

Multiple Choice Questions

1. What are reactants in a chemical reaction?
 - a) The newly formed substances
 - b) The end result of the reaction
 - c) The starting ingredients
 - d) The transformation process

2. Which of the following is NOT true about reactants?
 - a) They are the building blocks of a chemical reaction.
 - b) They undergo a transformation during a reaction.
 - c) They are elements, compounds, or molecules.
 - d) They are always the same as the products.

3. What do we call the substances that are formed as a result of a chemical reaction?
 - a) Ingredients
 - b) Catalysts
 - c) Reactants
 - d) Products

4. What happens to the total mass of reactants in a chemical reaction, according to the principle of conservation of mass?
 - a) It decreases
 - b) It increases
 - c) It remains the same
 - d) It depends on the reaction

5. Who is known as the "Father of Modern Chemistry" and proposed the principle of the conservation of mass?
 - a) Isaac Newton
 - b) Albert Einstein
 - c) Antoine Lavoisier
 - d) Marie Curie

