

Name:

Date:

TYPES OF CHEMICAL REACTIONS

Predict the products of the following reactions. Write the balanced chemical equation and identify the reaction type.

1. Reaction Description:
Sodium reacts with water.

Balanced Chemical Equation:



Type of Reaction: **Single-replacement (Displacement)**

2. Reaction Description:
Zinc reacts with sulfuric acid.

Balanced Chemical Equation:



Type of Reaction: **Single-replacement (Displacement)**

3. Reaction Description:
Iron reacts with chlorine gas.

Balanced Chemical Equation:



Type of Reaction: **Synthesis (Combination)**

4. Reaction Description:
Methane reacts with oxygen.

Balanced Chemical Equation:



Type of Reaction: **Combustion**

5. Reaction Description:
Sodium bicarbonate reacts with hydrochloric acid.

Balanced Chemical Equation:



Type of Reaction: **Double-replacement (Acid-Base)**