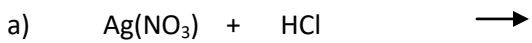


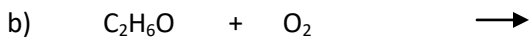
## TYPES OF CHEMICAL REACTIONS

Examine the reactants below. **Predict the type of chemical reaction present**

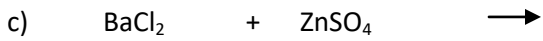
1. **Write the complete, balanced chemical equation including states of matter for each substance**



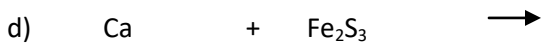
type of reaction: \_\_\_\_\_



type of reaction: \_\_\_\_\_



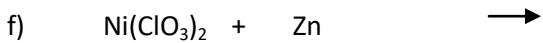
type of reaction: \_\_\_\_\_



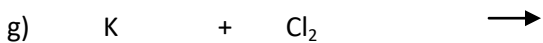
type of reaction: \_\_\_\_\_



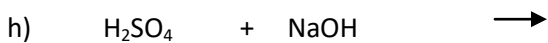
type of reaction: \_\_\_\_\_



type of reaction: \_\_\_\_\_



type of reaction: \_\_\_\_\_



type of reaction: \_\_\_\_\_



type of reaction: \_\_\_\_\_



type of reaction: \_\_\_\_\_

2. Examine the reactants below. **Predict the type of chemical reaction present**  
3. **Convert the word equation into a complete, balanced chemical equation using the steps outlined in your notes for converting word equations into chemical equations, including states of matter.**

**a) Sulfur Dioxide reacts with molecular Oxygen (O<sub>2</sub>)**

Type of reaction: \_\_\_\_\_

Chem Equation: \_\_\_\_\_

**b) Aluminum Oxide reacts with Sulfuric Acid (Hydrogen Sulfate)**

Type of reaction: \_\_\_\_\_

Chem Equation: \_\_\_\_\_

**c) Silver reacts with Magnesium Nitrate**

Type of reaction: \_\_\_\_\_

Chem Equation: \_\_\_\_\_

**d) Propane (C<sub>3</sub>H<sub>8</sub>) reacts with molecular Oxygen (O<sub>2</sub>)**

Type of reaction: \_\_\_\_\_

Chem Equation: \_\_\_\_\_

**e) Sodium Carbonate reacts with Copper (II) Nitrate**

Type of reaction: \_\_\_\_\_

Chem Equation: \_\_\_\_\_

**f) Zinc reacts with Hydrochloric acid (HCl)**

Type of reaction: \_\_\_\_\_

Chem Equation: \_\_\_\_\_

**g) Ammonium Phosphate reacts with Sodium Hydroxide**

Type of reaction: \_\_\_\_\_

Chem Equation: \_\_\_\_\_

**h) Carbonic acid (H<sub>2</sub>CO<sub>3</sub>) decomposes**

Type of reaction: \_\_\_\_\_

Chem Equation: \_\_\_\_\_

**i) Sodium reacts with Iron (II) Carbonate**

Type of reaction: \_\_\_\_\_

Chem Equation: \_\_\_\_\_