**Identifying Reaction Types**

**Directions:** identify the type of reaction presented and then provide a written justification for your choice. Please be specific with your justification!

1. **Ca(OH)2 + H2CO3 🡪 CaCO3 + 2H2O** Type of Reaction:

Justification:

1. **2 NaOH + Ni(NO3)2 🡪 2 NaNO3 + Ni(OH)2** Type of Reaction:

Justification:

1. **H3PO4 + NaOH 🡪 Na3PO4 + H2O** Type of Reaction:

Justification:

1. **Ca(C2H3O2)2 + Na2CO3 🡪 NaC2H3O2 + CaCO3** Type of Reaction:

Justification:

1. **3FeS + 2AlCl3 🡪 3FeCl2 + Al2S3** Type of Reaction:

Justification:

1. **2AgNO3 + MgCl2 🡪 2AgCl + Mg(NO3)2** Type of Reaction:

Justification:

1. **2NaI + Br2 🡪 2NaBr + I2** Type of Reaction:

Justification:

1. **N2 + 3H2 🡪 2NH3** Type of Reaction:

Justification:

1. **H2CO3 🡪 H2O + CO2**  Type of Reaction:

Justification:

1. **4Fe + 3O2 🡪 2Fe2O3** Type of Reaction:

Justification:

1. **2Al + 3FeO 🡪 Al2O3 + 3Fe**  Type of Reaction:

Justification:

1. **C7H16 + 11O2 🡪 8H2O + 7CO2** Type of Reaction:

Justification:

1. **MgCO3 🡪 MgO + CO2** Type of Reaction:

Justification:

1. **Si2H3 + O2 🡪 SiO2 + H2O3** Type of Reaction:

Justification:

1. **CH4 + 2O2 🡪 CO2 + 2H2O** Type of Reaction:

Justification:

1. **C3H8 + 5O2 🡪 3CO2 + 4H2O** Type of Reaction:

Justification: