**Types of Reactions Worksheet THEN Balancing!**

*First, begin by telling which type of reaction is taking place. Then go back and balance the following equations:*

1) \_\_\_\_ NaBr + \_\_\_\_ H3PO4 🡪 \_\_\_\_ Na3PO4 + \_\_\_\_ HBr Type of reaction: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) \_\_\_\_ Ca(OH)2 + \_\_\_\_ Al2(SO4)3 🡪 \_\_\_\_ CaSO4 + \_\_\_\_ Al(OH)3 Type of reaction: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) \_\_\_\_ Mg + \_\_\_\_ Fe2O3 🡪 \_\_\_\_ Fe + \_\_\_\_ MgO Type of reaction: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) \_\_\_\_ C2H4 + \_\_\_\_ O2 🡪 \_\_\_\_ CO2 + \_\_\_\_ H2O Type of reaction: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) \_\_\_\_ PbSO4 🡪 \_\_\_\_ PbSO3 + \_\_\_\_ O2 Type of reaction: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6) \_\_\_\_ NH3 + \_\_\_\_ I2 🡪 \_\_\_\_ N2I6 + \_\_\_\_ H2 Type of reaction: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7) \_\_\_\_ H2O+ \_\_\_\_ SO3 🡪 \_\_\_\_ H2SO4 Type of reaction: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Balancing Equations**

*Balance the following equations:*

1) \_\_\_ NaNO3 + \_\_\_ PbO 🡪 \_\_\_ Pb(NO3)2 + \_\_\_ Na2O

2) \_\_\_ AgI + \_\_\_ Fe2(CO3)3 🡪 \_\_\_ FeI3 + \_\_\_ Ag2CO­3

3) \_\_\_ C2H4O2 + \_\_\_ O2 🡪 \_\_\_ CO2 + \_\_\_ H2O

4) \_\_\_ ZnSO4 + \_\_\_ Li2CO3 🡪 \_\_\_ ZnCO3 + \_\_\_ Li2SO4

5) \_\_\_ V2O5 + \_\_\_ CaS 🡪 \_\_\_ CaO + \_\_\_ V2S5

6) \_\_\_ Mn(NO2)2 + \_\_\_ BeCl2 🡪 \_\_\_ Be(NO2)2 + \_\_\_ MnCl2

7) \_\_\_ AgBr + \_\_\_ GaPO4 🡪 \_\_\_ Ag3PO4 + \_\_\_ GaBr3

8) \_\_\_ H2SO4 + \_\_\_ B(OH)3 🡪 \_\_ B2(SO4)3 + \_\_\_ H2O

9) \_\_\_ S8­ + \_\_\_ O2 🡪 \_\_\_ SO2

10) \_\_\_ Fe + \_\_\_ AgNO3 🡪 \_\_\_ Fe(NO3)2 + \_\_\_ Ag