Chemistry Types of Reactions Name:

*Balance the following equations and indicate the type of reaction taking place:*

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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8) \_\_\_\_ H2SO4 + \_\_\_\_ NH4OH 🡪 \_\_\_\_ H2O + \_\_\_\_ (NH4)2SO4

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

Chemistry Types of Reactions Name:

Predict the products of each of the following chemical reactions. If a reaction will not occur, explain why not:

1) \_\_\_\_ Ag2SO4 + \_\_\_\_ Ba(NO3)₂🡪

2) \_\_\_\_ CaI₂ + \_\_\_\_ Na₂SO4 🡪

3) \_\_\_\_ HNO3 + \_\_\_\_ Ca(OH)2 🡪

4) \_\_\_\_ CaCO3 🡪

5) \_\_\_\_ AlCl3 + \_\_\_\_ (NH4)₃PO4 🡪

6) \_\_\_\_ Pb + \_\_\_\_ Fe(NO3)3 🡪

7) \_\_\_\_ C3H6 + \_\_\_\_ O2 🡪

8) \_\_\_\_ Na + \_\_\_\_ CaSO4 🡪