Assignment: 1

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour:\_\_\_\_\_\_

**Types of Reactions**

Reactions:

Synthesis –

Decomposition –

Single Replacement –

Double Replacement –

**CLASSIFYING CHEMICAL REACTIONS**

Classify the following reactions as synthesis, decomposition, single or double replacement.

1. 2KCIO3 → 2KCI + 3O2

2. HCI + NaOH → NaCI + H2O

3. Mg + 2HCI → MgCI2 + H2

4. 2H2 + O2 → 2H2O

5. 2AI + 3O2 → 2AI2O3

6. 2NaCI → 2Na + CI2

7. CaCI2 + F2 → CaF2 + CI2

8. AgNO3 + KCI → AgCI + KNO3

9. N2 + 3H2 → 2NH3

10. 2H202 → 2H2O + O2

11. (NH4)2SO4 + Ba(NO3)2 → BaSO4 + 2NH4NO3

12. MgI2 + Br2 → MgBr2 + I2

13. SO3 + H2O → H2SO4

14. 6KCI + Zn3(PO4)2 → 3ZnCI2 + 2K3PO4