**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_**

**Individual Evidence!**

* ***Can I describe chemical reactions and represent them by using chemical formulas?***

Classify and balance the following equations:

Type of Chemical Reaction

1. \_\_\_NaCl(aq)  + \_\_\_H2O(l)  \_\_\_NaOH(aq)  + \_\_\_\_H2(g) + \_\_\_\_\_Cl2(g) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_NO2(g) + \_\_\_ O2(g) \_\_\_NO3(g) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_NH4OH(aq) + \_\_\_\_CO2(g) \_\_\_\_\_\_(NH4)2CO3(aq) + \_\_\_\_\_H2O(l) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_Fe2O3(s) + \_\_\_\_CO(g) \_\_\_\_Fe(s) + \_\_\_\_CO2(g) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. \_\_\_\_Sb(s) + \_\_\_\_Cl2(g) ­­ \_\_\_\_SbCl3(s) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. \_\_\_\_HBr(aq) + \_\_\_\_Cl2(g) \_\_\_\_HCl(aq) + \_\_\_\_Br2(l) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. \_\_\_\_NO2 (g) + \_\_\_\_H2O(l) \_\_\_\_HNO3(aq) + \_\_\_\_NO(g) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. \_\_\_\_Na2CO3(s) + \_\_\_\_Ca(OH)2(s) \_\_\_\_NaOH(s) + \_\_\_\_CaCO3(s) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. \_\_\_\_CaCO3(s) \_\_\_\_CaO(s) + \_\_\_\_CO2(g) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. \_\_\_\_H2S2O7(s) + \_\_\_\_H2O(l) \_\_\_\_H2SO4(l) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_