Name: _____#: _____ Class: _____ Date: _____

Quiz #4 – Types of Chemical Reactions EXTRA ASSIGNMENT

Determine the type of reaction.
(Synthesis, Decomposition, Single Replacement, Double Replacement, or Combustion)

1. **3** $NaBr + H_3PO_4 \rightarrow Na_3PO_4 + $ **3** HBr _____
2. $C_2H_4 +$ **3** $O_2 \rightarrow$ **2** $CO_2 +$ **2** H_2O _____
3. **2** $PbSO_4 \rightarrow$ **2** $PbSO_3 + O_2$ _____
4. **2** $NH_3 +$ **3** $I_2 \rightarrow N_2I_6 +$ **3** H_2 _____
5. $H_2O + SO_3 \rightarrow H_2SO_4$ _____
6. $C_3H_8 +$ **5** $O_2 \rightarrow$ **3** $CO_2 +$ **4** H_2O _____
7. $NaOH + KNO_3 \rightarrow NaNO_3 + KOH$ _____
8. $SrSO_4 + Mg(OH)_2 \rightarrow Sr(OH)_2 + MgSO_4$ _____
9. $Na_2CO_3 \rightarrow Na_2O + CO_2$ _____
10. $Pb + O_2 \rightarrow PbO_2$ _____

Identify the parts of a chemical equation.

11. (s) _____
12. (ℓ) _____
13. (g) _____
14. (aq) _____
15. Substances that are the result of a chemical change. _____
16. Substances that go through a chemical change. _____