General Science 3200

Worksheet 13: Balancing Chemical Reactions II **Name:_____**

Balance the following chemical reactions by placing the appropriate coefficients within the given reactions. Also, name the type of reaction: Synthesis, Decomposition, or Single Replacement.

1) ___ $SrCl_2 \rightarrow$ ___ $Sr +$ ___ Cl_2

Name of Reaction: _____

2) ___ $Al +$ ___ $S_8 \rightarrow$ ___ Al_2S_3

Name of Reaction: _____

3) ___ $Ca_3(PO_4)_2 +$ ___ $Al \rightarrow$ ___ $Ca +$ ___ $AlPO_4$

Name of Reaction: _____

4) ___ $NaF +$ ___ $Br_2 \rightarrow$ ___ $F_2 +$ ___ $NaBr$

Name of Reaction: _____

5) ___ Ca + ___ $O_2 \rightarrow$ ___ CaO

Name of Reaction: _____

6) ___ $Li_3P \rightarrow$ ___ $Li +$ ___ P_4

Name of Reaction: _____

7) ___ $Ba(NO_3)_2 +$ ___ $K \rightarrow$ ___ $KNO_3 +$ ___ Ba

Name of Reaction: _____

8) ___ $MgCl_2 +$ ___ $Br_2 \rightarrow$ ___ $MgBr_2 +$ ___ Cl_2

Name of Reaction: _____

9) ___ $Zn_3P_2 \rightarrow$ ___ $Zn +$ ___ P_4

Name of Reaction: _____

10) ___ $Ag +$ ___ $F_2 \rightarrow$ ___ AgF

Name of Reaction: _____