Worksheet 13: Balancing Chemical Reactions II

ANSWERS

1)
$$__SrCl_2 \rightarrow __Sr + __Cl_2$$
 (already balanced)

Name of Reaction: **Decomposition**

2) **16**
$$Al + 3 S_8 \rightarrow 8 Al_2 S_3$$

Name of Reaction: Synthesis

3)
$$Ca_3(PO_4)_2 + 2 Al \rightarrow 3 Ca + 2 AlPO_4$$

Name of Reaction: Single Replacement

4)
$$2 NaF + ___ Br_2 \rightarrow ___ F_2 + 2 NaBr$$

Name of Reaction: Single Replacement

5) 2 Ca +
$$\bigcirc$$
 \bigcirc 2 Ca \bigcirc

Name of Reaction: Synthesis

6)
$$4 Li_3 P \rightarrow 12 Li + ___ P_4$$

Name of Reaction: **Decomposition**

7) ___
$$Ba(NO_3)_2 + 2 K \rightarrow 2 KNO_3 + ___ Ba$$

Name of Reaction: Single Replacement

8) ___
$$MgCl_2$$
+ ___ $Br_2 \rightarrow$ ___ $MgBr_2$ + ___ Cl_2 (already balanced)

Name of Reaction: Single Replacement

9)
$$2Zn_3P_2 \rightarrow 6Zn + _P_4$$

Name of Reaction: **Decomposition**

Name of Reaction: Synthesis