1)
$$2 KBr \rightarrow 2 K + Br_2$$

Name of Reaction: **Decomposition**

2)
$$2Zn + O_2 \rightarrow 2ZnO$$

Name of Reaction: Synthesis

3)
$$Ca + 2AgCl \rightarrow 2Ag + CaCl_2$$

Name of Reaction: Single Replacement

4)
$$2 \, NaBr + Cl_2 \rightarrow 2 \, NaCl + Br_2$$

Name of Reaction: Single Replacement

5)
$$12 Li + P_4 \rightarrow 4 Li_3 P$$

Name of Reaction: Synthesis

6)
$$2Al_2O_3 \rightarrow 4Al + 3O_2$$

Name of Reaction: **Decomposition**

7)
$$2Al + 3Ba(OH)_2 \rightarrow 3Ba + 2Al(OH)_3$$

Name of Reaction: Single Replacement

8)
$$8Na_2S \rightarrow 16Na + S_8$$

Name of Reaction: **Decomposition**

9)
$$MgCl_2 \rightarrow Mg + Cl_2$$
 (already balanced)

Name of Reaction: **Decomposition**

10)
$$H_2 + I_2 \rightarrow 2HI$$

Name of Reaction: Synthesis