Chemical Equation Worksheet NAME:_____

Types of Reactions: Identifying and predicting products

For each reaction equation:

1. Balance the equation.
2. Identify the type of reaction (synthesis, decomposition, etc.).

	Reaction Type
1. $KClO_3 \rightarrow KCl + O_2$	1.
2. $KBr + F_2 \rightarrow KF + Br_2$	2.
3. $S_8 + F_2 \rightarrow SF_6$	3.
4. $Na_2SO_4 + Pb(NO_3)_2 \rightarrow NaNO_3 + PbSO_4$	4.
5. $C_3H_8 + O_2 \rightarrow CO_2 + H_2O$	5.
6. $Zn + HCl \rightarrow ZnCl_2 + H_2$	6.
7. $FeCl_3 + Na_2CO_3 \rightarrow Fe_2(CO_3)_3 + NaCl$	7.
8. $Na + H_2O \rightarrow NaOH + H_2$	8.
9. $C_2H_6 + O_2 \rightarrow CO_2 + H_2O$	9.
10. $HgO \rightarrow Hg + O_2$	10.
11. $CaCl_2 + Na_3PO_4 \rightarrow NaCl + Ca_3(PO_4)_2$	11.
12. $N_2O_5 + H_2O \rightarrow HNO_3$	12.
13. $Mg + CuCl_2 \rightarrow MgCl_2 + Cu$	13.