Predicting Chemical Reactions WS

For each of the following questions, classify the reaction type (formation, simple decomposition, combustion, single replacement, double replacement, or other), and predict the balanced chemical equation.

- 1. Al(s) + $O_2(g) \rightarrow$
- 2. $Ag_2O(s) \rightarrow$
- 3. $Br_2(1) + KI(aq) \rightarrow$
- 4. A strip of zinc metal is placed into a copper(II) nitrate solution.
- 5. $BaCl_2(aq) + Na_2SO_4(aq) \rightarrow$
- 6. Sulfuric acid is neutralized by aqueous sodium hydroxide.
- 7. $\rightarrow \text{CuS(s)} + \text{NaCH}_3\text{COO(aq)}$
- 8. $CuS(s) + Br_{2(l)} \rightarrow$
- 9. Propane burns in air.

10. $Na_2CO_3(aq) + HCl(aq) \rightarrow$