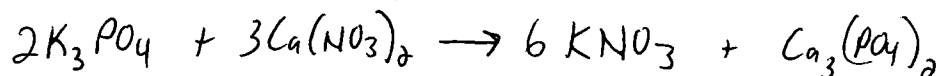


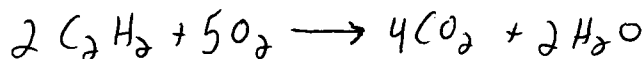
## Predicting Products

Directions: Begin by classifying each reaction as one of the five types of reactions and listing the type of reaction on the line provided. Predict the products of each reaction based on the reactants involved. Lastly, be sure each equation is balanced.

1. DR potassium phosphate + calcium nitrate →



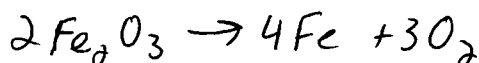
2. C acetylene (C<sub>2</sub>H<sub>2</sub>) + oxygen →



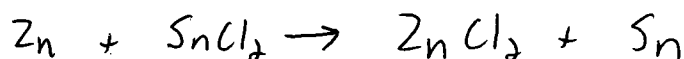
3. DR hydrochloric acid + aluminum oxide →



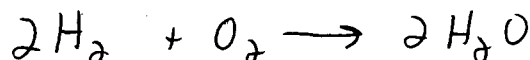
4. D iron (III) oxide →



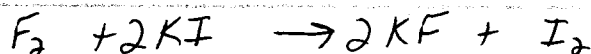
5. SR zinc + tin (II) chloride →



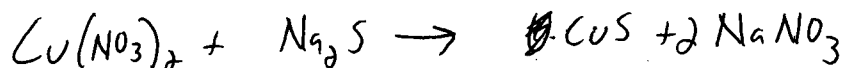
6. S hydrogen + oxygen →



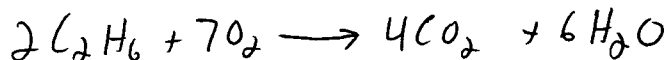
7. SR fluorine + potassium iodide →



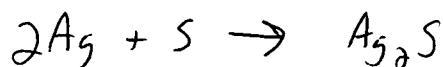
8. DR copper (II) nitrate + sodium sulfide →



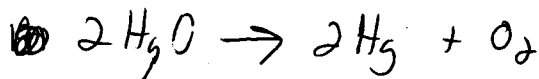
9. C ethane (C<sub>2</sub>H<sub>6</sub>) + oxygen →



10. S silver + sulfur →



11. D mercury (II) oxide →



- (12) SR copper + water → NR →  $Cu(OH)_2 + H_2$   
 $Cu + H_2O \rightarrow Cu(OH)_2$  won't balance (doesn't happen)

## Predicting Products Worksheet #2

Directions: Predict the products and balance the following chemical reactions. Indicate the type of reaction in the space provided to the left of each question.

