

# PREDICTING PRODUCTS CHEMICAL REACTIONS

Name \_\_\_\_\_

(FOR MARKS 21)

Predict the products of the reactions below. Then, write the balanced equation and classify the reaction.

1. magnesium bromide + chlorine (g)  
(aq)

2. aluminum + iron (III) iodide  
(s)

3. silver nitrate + zinc chloride  
(aq) (aq)

④ hydrogen peroxide (catalyzed by manganese dioxide) *specialized rxn.*

5. zinc + hydrochloric acid (aq)  
(s)

6. sulfuric acid + sodium hydroxide (aq)  
(aq)

7. sodium + hydrogen  
(s) (g)

8. acetic acid + copper  
(aq) (s)

Complete and balance the following equations:

*\* be sure to give phases of the products*