

## Worksheet: Predicting Products of Reactions

(Frameworks Code)

Complete the following word equations. Below each word equation, write balanced chemical equations.

Ex: Synthesis:

Sodium + oxygen  $\rightarrow$  sodium oxide

1. Double replacement:

Silver nitrate + potassium bromide  $\rightarrow$  \_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_  $\rightarrow$  \_\_\_\_\_ + \_\_\_\_\_

2. Decomposition:

Hydrogen peroxide  $\rightarrow$  \_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_  $\rightarrow$  \_\_\_\_\_ + \_\_\_\_\_

3. Single replacement:

Iron (II) + copper (II) sulfate  $\rightarrow$  \_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_  $\rightarrow$  \_\_\_\_\_ + \_\_\_\_\_

4. Synthesis:

Mercury (II) + oxygen  $\rightarrow$  \_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_  $\rightarrow$  \_\_\_\_\_

5. Double replacement:

Calcium hydroxide + copper (II) sulfate  $\rightarrow$  \_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_  $\rightarrow$  \_\_\_\_\_ + \_\_\_\_\_

6. Single replacement:

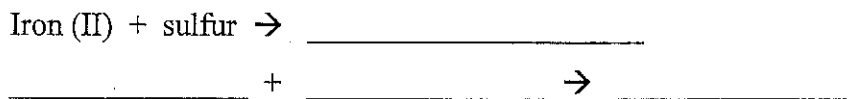
Calcium iodide + chlorine  $\rightarrow$  \_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_  $\rightarrow$  \_\_\_\_\_ + \_\_\_\_\_

## Worksheet: Predicting Products of Reactions

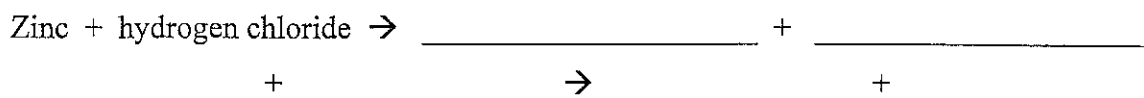
Period \_\_\_\_\_ Date \_\_\_\_\_

(Frameworks Code)

7. Synthesis:



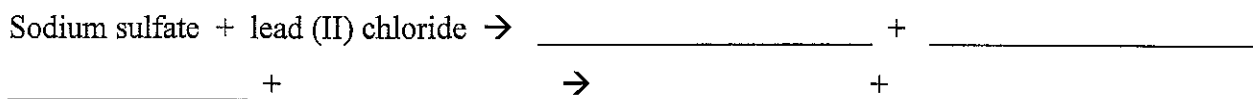
8. Single replacement:



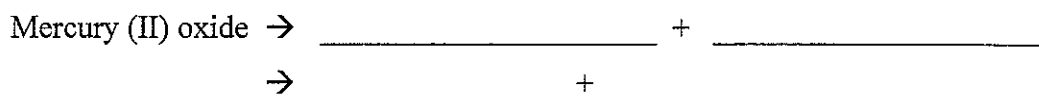
9. Decomposition:



10. Double replacement:



11. Decomposition:



12. Single replacement:

