Worksheet: Predicting Products of Reactions Period_____ Date_____

(Frameworks Code)

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

Ex: Synthesis:

Sodium + oxygen → sodium oxide

$4Na + 2O_2 \rightarrow 2Na_2O$

1. Double replacement:

   Silver nitrate + potassium bromide → _____ + _____

   _____ + _____ → _____ + _____

2. Decomposition:

   Hydrogen peroxide → _____ + _____

   _____ → _____ + _____

3. Single replacement:

   Iron (II) + copper (II) sulfate → _____ + _____

   _____ + _____ → _____ + _____

4. Synthesis:

   Mercury (II) + oxygen → _____

   _____ + _____ → _____

5. Double replacement:

   Calcium hydroxide + copper (II) sulfate → _____ + _____

   _____ + _____ → _____ + _____

6. Single replacement:

   Calcium iodide + chlorine → _____ + _____

   _____ + _____ → _____ + _____

7. Synthesis:

Iron (II) + sulfur → _____

_____ + _____ → _____

8. Single replacement:

Zinc + hydrogen chloride → _____ + _____

_____ + _____ → _____ + _____

9. Decomposition:

Hydrogen oxide → _____ + _____

_____ → _____ + _____

10. Double replacement:

Sodium sulfate + lead (II) chloride → _____ + _____

_____ + _____ → _____ + _____

11. Decomposition:

Mercury (II) oxide → _____ + _____

_____ → _____ + _____

12. Single replacement:

Potassium + hydrogen hydroxide → _____ + _____

_____ + _____ → _____ + _____