Ralancina	Chemical	Fauations	Assessment
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Name				

## Fill in the Blanks

- 1. The \_\_\_\_\_ are new substances that are created following a chemical reaction.
- 2. The \_\_\_\_\_ are either elements or compounds which are present prior to a chemical reaction.
- 3. The arrowina chemical equation represents the \_\_\_\_\_\_
- 4. The large number before a molecule is called a \_\_\_\_\_\_.
- 5. The subscript represents the number of \_\_\_\_\_\_ in a chemical equation.

<u>Answer the following questions using the chemical equation below</u>

$$6CO_2 + 6H_2O \rightarrow C_6H_{12}O_6 + 6O_2$$

- 6. How many molecules of CO<sub>2</sub> are present? \_\_\_\_\_\_
- 7. How many atoms of oxygen are present in the reactants?
- 8. How many atoms of carbon are present in the products?
- 9. How many total atoms are present in  $C_6H_{12}O_6$ ?
- 10. Is the equation above balanced or unbalanced?

Balanced or Unbalanced? Write a "B" for Balanced and a "U" for Unbalanced.

$$11.CH_4 + O_2 \rightarrow CO_2 + 2H_2O$$

\_\_\_\_\_12.NaBr + CaF<sub>2</sub>
$$\rightarrow$$
 NaF + CaBr<sub>2</sub>

$$\underline{\phantom{a}}$$
 13.4 Fe + 3  $O_2 \rightarrow$  2 Fe<sub>2</sub> $O_3$ 

$$\_$$
 14.SnO<sub>2</sub> + 2 H<sub>2</sub>  $\rightarrow$  Sn + 2 H<sub>2</sub>O

$$\_$$
 15.K + 2 MgBr  $\rightarrow$  KBr + Mg