

NAME: PERIOD: DATE:

## **Chemical Equations Homework**

Answer all questions to the best of your ability. Be specific. Be scientific.

1. In the chemical equation below, circle the yield sign. If there is no yield sign, draw a "sad face."  $\ \odot$ 

$$K_2O + H_2O \rightarrow 2 KOH$$

2. In the chemical reaction below, circle the subscript(s). If there are no subscripts, draw a "sad face."  $\otimes$ 

$$K_2O + H_2O \rightarrow 2 KOH$$

3. In the chemical reaction below, circle the reactants. If there are no reactants, draw a "sad face."  $\odot$ 

$$2 \text{ AgNO}_3 + \text{Cu} \rightarrow \text{Cu(NO}_3)_2 + 2 \text{ Ag} \downarrow$$

4. In the chemical reaction below, circle any precipitates. If there are no precipitates, draw a "sad face." (S)

$$C_3H_8 + 5 O_2 \rightarrow 3 CO_2 \uparrow + 4 H_2O$$

5. In the chemical reaction below, circle any products. If there are no products, draw a "sad face."  $\ensuremath{\mathfrak{S}}$ 

$$2 \text{ AgNO}_3 + \text{Cu} \rightarrow \text{Cu(NO}_3)_2 + 2 \text{ Ag} \downarrow$$

6. In the chemical reaction below, circle any gases. If there are no gases, draw a "sad face."  $\ensuremath{\otimes}$ 

$$C_3H_8 + 5 O_2 \rightarrow 3 CO_2 \uparrow + 4 H_2O$$

7. In the chemical reaction below, circle any coefficients. If there are no coefficients, draw a "sad face."  $\otimes$ 

$$K_2O + H_2O \rightarrow 2 KOH$$

- 8. In a chemical equation, if a product is a gas, how is that shown?
- 9. What indicator of a chemical reaction is the least reliable (trustworthy?)
- 10. An endothermic reaction gives off / takes in energy . (Circle one of the underlined.)

