Balancing a Chemical Equation Pre-lab Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Aria wanted to design a new bouncy-chew toy for his new puppy.

She used this “equation” to build it. The arrow shows what she had “before” and “after” building her new toys.



1. Did Aria balance her equation? Yes no not sure
2. Not so fast…Explain your answer to number 1!

I chose \_\_\_\_\_\_\_\_\_\_\_\_ because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The **“before”** objects are called **reactants**. Go back to the picture of the equation and , put (R) in the circle(s).
2. The **“after”** objects are called **products**. Go back to the picture of the equation and put a Put a (P) in the box(es).

box around all products.

1. In the following chemical equation: **CO2 + H2O C2H6 + O2**
2. List the products: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Is this chemical equation balanced?
   * Yes, because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   * No, because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_