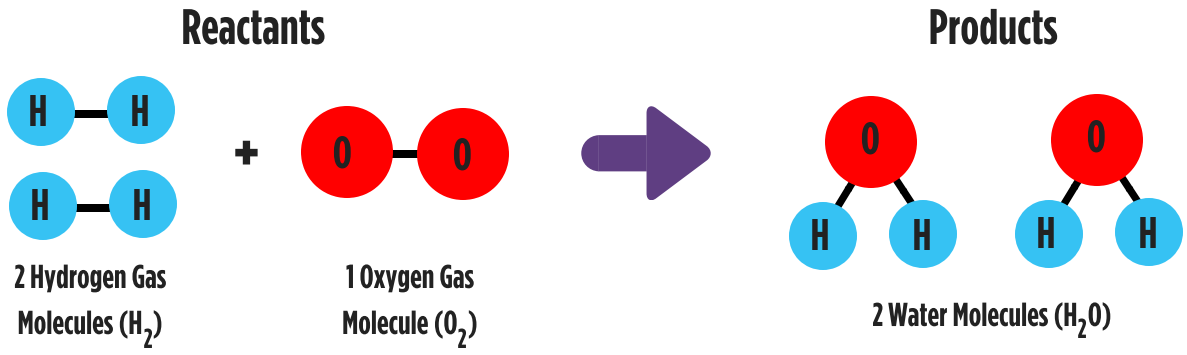
Name: _____

# Content Check

**Use the following information to answer questions 1-3:**

The picture below is a model of what happens when hydrogen and oxygen react to form water. In this model, the reactants are the molecules before the reaction arrow, and the products are after the arrow.




1. Circle the correct word(s) to complete the sentence.

When a chemical reaction occurs, the total number of atoms before and after the reaction is _____.

the same different

2. Before the reaction there are _____ hydrogen atoms and _____ oxygen atoms . After the the reaction there are _____ hydrogen atoms and _____ oxygen atoms.

3. If you could weigh the reactants before the reaction and the products after the reaction, how they would compare? Explain your answer.

# Content Check
# Teacher Key

**1. Circle the correct word(s) to complete the sentence.**
**When a chemical reaction occurs, the total number of atoms before and after the reaction is** the same **.**

**2. Before the reaction there are** 4 **hydrogen atoms and** 2 **oxygen atoms . After the reaction there are** 4 **hydrogen atoms and** 2 **oxygen atoms.**

**3. If you could weigh the reactants before the reaction and the products after the reaction, how they would compare? Explain your answer.**
The weight would be the same. This is because there are the same number of atoms before and after the reaction.