

# Balancing Chemical Equations Worksheet

## True or False: Understanding Balancing Chemical Equations

True

False

1. The total number of atoms of each element must be the same on both sides of a balanced chemical equation
2. Subscripts in a chemical formula can be changed when balancing a chemical equation
3. A balanced chemical equation follows the Law of Conservation of Mass.
4. The coefficients in a balanced chemical equation represent the number of molecules or moles of a substance.
5. It is acceptable to have a fraction as a coefficient in a final balanced chemical equation.

## What are the key rules to follow when balancing chemical equations?

1.

4.

2.

5.

3.

6.

## What are the essential components of a balanced chemical equation?

1.

4.

2.

5.

3.

6.

## What are the main types of chemical reactions involved in balancing equations?

1.

4.

2.

5.

3.

6.