

# Counting Atoms Worksheet

## True or False: Understanding Balancing Chemical Equations

True

False

- |  |                       |                       |
|--|-----------------------|-----------------------|
| 1. A molecule of $\text{CO}_2$ has one carbon atom and two oxygen atoms. | <input type="radio"/> | <input type="radio"/> |
| 2. The compound $\text{H}_2\text{O}_2$ has three oxygen atoms            | <input type="radio"/> | <input type="radio"/> |
| 3. $\text{NH}_3$ contains one nitrogen atom and three hydrogen atoms     | <input type="radio"/> | <input type="radio"/> |
| 4. $\text{C}_6\text{H}_{12}\text{O}_6$ consists of 12 oxygen atoms.      | <input type="radio"/> | <input type="radio"/> |
| 5. 2 molecules of $\text{NaCl}$ contain four atoms                       | <input type="radio"/> | <input type="radio"/> |

How many total atoms are in one molecule of glucose ( $\text{C}_6\text{H}_{12}\text{O}_6$ )?

What is the total number of atoms in two molecules of water ( $\text{H}_2\text{O}$ )?

Calculate the number of nitrogen atoms in five molecules of ammonia.

Determine the total number of atoms in three molecules of sulfur trioxide.