

Counting Atoms Worksheet

Choose the correct answer for each of the following:

How many total atoms are there in a molecule of ammonia (NH_3)?

- A) 3 C) 5
B) 4 D) 6

What is the total number of oxygen atoms in three molecules of carbon dioxide (CO_2)?

- A) 2 C) 6
B) 3 D) 9

A compound formula $\text{Ca}(\text{OH})_2$ represents calcium hydroxide. How many hydrogen atoms does it contain?

- A) 1 C) 4
B) 2 D) 6

Choose the correct answer for each of the following:

1. 2 molecules of sodium chloride (NaCl) contain 4 atoms in total.
2. The formula Fe_2O_3 has two iron atoms and three oxygen atoms per molecule.
3. In the compound magnesium oxide (MgO), there is one magnesium atom and two oxygen atoms.
4. A molecule of water (H_2O) contains two hydrogen atoms and one oxygen atom.