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 Ca(OH)₂ represents calcium hydroxide. How many hydrogen atoms does it contain?
A) 1
B) 2
C) 4
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 (H₂O) contains two hydrogen atoms and one oxygen atom.