

Atoms and Molecules Exit Quiz

1. For each of the substances in the table below, decide if they are an example of a molecule (M) or both a molecule and a compound (MC).

Substance	M or MC?	Substance	M or MC?
Carbon dioxide (CO ₂)		Fullerene (C ₆₀)	
Salt (NaCl)		Sand (SiO ₂)	
Sulfur (S ₈)		Baking soda (NaHCO ₃)	
Hydrogen gas (H ₂)		Glucose (C ₆ H ₁₂ O ₆)	

2. For each of the following substances, give the total number of atoms:

a) 2 molecules of carbon dioxide (2CO₂)

b) 3 molecules of nitric acid (3HNO₃)

3. Give the number of oxygen atoms in:

a) Rust (FeO₃)

b) 2 molecules of aspirin (C₉H₈O₄)