



Chemical Formulae

1. For each compound, write down the number of elements and the number of atoms.

| Compound | Formula | Number of Elements | Number of Atoms |
|--------------------|--------------------------------|--------------------|-----------------|
| ammonia | NH ₃ | | |
| methane | CH ₄ | | |
| sodium chloride | NaCl | | |
| calcium carbonate | CaCO ₃ | | |
| sulfuric acid | H ₂ SO ₄ | | |
| sodium bicarbonate | NaHCO ₃ | | |
| acetic acid | CH ₃ COOH | | |

2. Write the formula for each compound.

| Compound | Number of Atoms | Formula |
|-------------------|---|---------|
| hydrochloric acid | 1 atom of hydrogen and 1 atom of chlorine | |
| ethene | 2 atoms of carbon and 4 atoms of hydrogen | |
| aluminium oxide | 2 atoms of aluminium and 3 atoms of oxygen | |
| nitric acid | 1 atom of hydrogen, 1 atom of nitrogen and 3 atoms of oxygen | |
| sodium hydroxide | 1 atom of sodium, 1 atom of oxygen and 1 atom of hydrogen | |
| glucose | 6 atoms of carbon, 12 atoms of hydrogen and 6 atoms of oxygen | |