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_2SO_4		
sodium bicarbonate	$NaHCO_3$		
acetic acid	CH_3COOH		

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	

BEYOND SCIENCE

LIVEWORKSHEETS