

NUMBER OF ATOMS IN A FORMULA WORKSHEET

Complete the table with the appropriate information.

Name of the Compound	Formula	Number of Atoms
Water		
Calcium Carbonate		
Phosphoric Acid		
Lithium Hydroxide		
Magnesium Hydroxide		
Acetic Acid		
Iron Sulfide		
Hydrochloric Acid		
Chromium Oxide		
Potassium Permanganate		
Sucrose		
Hydrogen Peroxide		

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Answers

Name of the Compound	Formula	Number of Atoms
Water	H_2O	H = 2, O = 1
Calcium Carbonate	$CaCO_3$	Ca = 1, C = 1, O = 3
Phosphoric Acid	H_3PO_4	H = 3, P = 1, O = 4
Lithium Hydroxide	$LiOH$	Li = 1, O = 1, H = 1
Magnesium Hydroxide	$Mg(OH)_2$	Mg = 1, O = 2, H = 2
Acetic Acid	CH_3COOH	C = 2, H = 4, O = 2
Iron Sulfide	FeS_2	Fe = 1, S = 2
Hydrochloric Acid	HCl	H = 1, Cl = 1
Chromium Oxide	Cr_2O_3	Cr = 2, O = 3
Potassium Permanganate	$KMnO_4$	K = 1, Mn = 1, O = 4
Sucrose	$C_{12}H_{22}O_{11}$	C = 12, H = 22, O = 11
Hydrogen Peroxide	H_2O_2	H = 2, O = 2