Calculating the empirical formula answers

Answers

Element name	Carbon	Hydrogen
Mass of element (g)	72	12
Mass - Relative Atomic Mass	72 + 12 = 6	12 - 1 = 12
Divide by the smaller number	6 + 6 = 1	12 + 6 = 2
Ratio	1	2

Element name	Sodium	Chlorine
Mass of element (g)	52.9	81.7
Mass + Relative Atomic Mass	52.9 + 23 = 2.3	81.7 - 35.5 = 2.3
Divide by the smaller number	2.3 + 2.3 = 1	2.3 + 2.3 = 1
Ratio	1	1

Element name	Aluminium	Oxygen
Mass of element (g)	156	278
Mass - Relative Atomic Mass	156 + 27 = 5.8	278 - 16 = 17.4
Divide by the smaller number	5.8 + 5.8 = 1	17.4 + 5.8 = 3
Ratio	1	3

Element name	Carbon	Hydrogen	Oxygen
Mass of element (g)	25.2	8.5	33.7
Mass - Relative Atomic Mass	25.2 - 12 = 2.1	8.5 - 1 = 8.5	33.7 + 16 = 2.1
Divide by the smaller number	2.1 + 2.1 = 1	8.5 + 2.1 = 4.0	2.1 + 2.1 = 1
Ratio	1	4	1

Calculating Empirical Formula Answers

David Baud

Calculating Empirical Formula Answers:

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