Molar Mass of Compounds and Molecules

The molar mass of a compound is the individual atom molar masses added together.

NaCl (1Na and 1Cl) [Na_1Cl_1]

Molar Mass Na: 22.99 g/mol

Molar Mass Cl: 35.45 g/mol

Molar Mass NaCl:

22.99 g/mol + 35.45 g/mol

= 58.44 g/mol

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Molar Mass of Compounds and Molecules

Counting Atoms

Na_3P (3Na and 1P)

Molar Mass Na: 22.99 g/mol

Molar Mass P: 30.97 g/mol

Na_3P_1

atoms x Molar Mass

Na: 3 x 22.99 g/mol

P: 1 x 30.97 g/mol

Na_3P: 99.94 g/mol

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