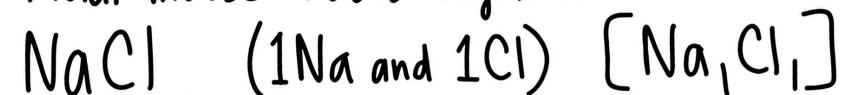


Molar Mass of Compounds and Molecules

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



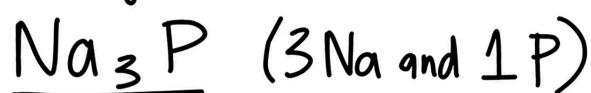
Molar Mass Na : 22.99 g/mol Molar Mass NaCl :

$$\begin{aligned} \text{Molar Mass Cl} : 35.45 \text{ g/mol} \quad & 22.99 \text{ g/mol} + 35.45 \text{ g/mol} \\ & = \underline{58.44 \text{ g/mol}} \end{aligned}$$

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Molar Mass of Compounds and Molecules

Counting Atoms



Molar Mass Na : 22.99 g/mol

Molar Mass P : 30.97 g/mol



$$\text{Na: } 3 \times 22.99 \text{ g/mol}$$

$$\text{P: } \underline{1 \times 30.97 \text{ g/mol}}$$

$$\text{Na}_3\text{P: } 99.94 \text{ g/mol}$$

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