

Avogadro's number is  $6.022 \times 10^{23}$ . It means how many elementary units (atoms or molecules) are in 1 mole of a given substance.

$$n = N/N_A$$

$N$  – how many atoms or molecules are in a given substance.

$N_A$  – Avogadro's number

$n$  – how many moles of a given substance

For example we have  $60.22 \times 10^{23}$  molecules of water. How many moles of water do we have?

$$n = N/N_A = 60.22 \times 10^{23} / 6.022 \times 10^{23} = 10 \text{ moles of water}$$

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