

CONCENTRATION EXPRESSION UNIT

Match the suitable pairs.

Concentration Expression	Formula	Unit

$$\frac{\text{moles of solute}}{\text{volume of solution (dm}^3\text{)}}$$

Mol/L

$$\frac{\text{moles of solute}}{\text{mass of solvent (kg)}}$$

%

% v/v

No unit

$$\frac{\text{mass of solute}}{\text{mass of solution}} \times 100$$

Molality, m

%

$$= \frac{\text{moles of A}}{\text{total moles of all components}}$$

Molarity,

Mol/kg

% w/w

mole fraction of A, X_A

$$\frac{\text{volume of solute (mL)}}{\text{volume of solution (mL)}} \times 100$$