

## CONCENTRATION EXPRESSION UNIT

Match the suitable pairs.

Concentration Expression	Formula	Unit

$$\frac{\text{moles of solute}}{\text{volume of solution (dm}^3\text{)}} \quad \text{Mol/L} \quad \frac{\text{moles of solute}}{\text{mass of solvent (kg)}} \quad \%$$

$$\% \text{ V/V} \quad \text{No unit} \quad \frac{\text{mass of solute}}{\text{mass of solution}} \times 100 \quad \text{Molality, m}$$

$$\% \quad = \frac{\text{moles of A}}{\text{total moles of all components}} \quad \text{Molarity} \quad \text{Mol/kg}$$

$$\% \text{ } \cancel{w/w} \quad \text{mole fraction of A, } X_A \quad \frac{\text{volume of solute (mL)}}{\text{volume of solution (mL)}} \times 100$$