

OCR (B) Chemistry A-Level

OZ3 - Inorganic Chemistry and the Periodic Table

Flashcards

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How is percentage concentration calculated?



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$$\textit{percentage concentration} = 100 \times \frac{\textit{solute volume}}{\textit{solution volume}}$$



How is parts per million (ppm) calculated from concentration?



How is parts per million (ppm) calculated from concentration in mol dm^{-3} ?

$$1 \text{ ppm} = 0.001 \text{ g dm}^{-3}$$

So multiply the initial concentration by the molar mass of the solute, then divide this number by 0.001 to find the ppm of the solute in the water.

