

## Homework

What is aqueous & non aqueous solution?

Give one example of each type?

Aqueous Solution

> Solutions that contain water as the solvent are called aqueous solution.

> For Ex :- Sugar in water.

Non-Aqueous Solution

> Solutions that contains a solvent other than water are called non aqueous solutions.

> Ex :- Petrol.

(2) How much amount of salt can maximum get dissolved in 240 ml of water if the solubility of the salt is 24g?

Ans - let the amount of salt be  $x$

$$\text{Solubility} = \frac{\text{max of solute}}{\text{max of solvent}} \times 100$$

$$\Rightarrow 24 = \frac{x}{240} \times 100$$

$$\Rightarrow 24 \times 12 = 5x$$

$$\Rightarrow 288 = 5x$$

$$\Rightarrow 5x = 288$$

$$\Rightarrow x = \frac{288}{5}$$

$$\Rightarrow x = 57.6$$