

HOMEWORK

Q. What is aqueous & non aqueous solution?
Give one example of each type.

Aqueous solution

Non aqueous solution

> solutions that contain water as the solvent are called aqueous solutions.

> For ex: Sugar in water.

> 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 240ml of water if the solubility of the salt is 24g?

Let the amount of salt be x

$$\text{solubility} = \frac{\text{mass of solute}}{\text{mass of solvent}} \times 100$$

$$\Rightarrow 24 = \frac{x}{\frac{240}{12}} \times \frac{5}{100}$$

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

$$\Rightarrow 288 = 5x$$

$$\Rightarrow 5x = 288$$

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

$$\Rightarrow x = 57.6$$