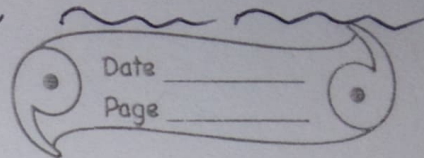


Homework



1) What is aq and non-aq solution. Give one example of each type?

Aqueous solution is the solution in which the solvent is water or H_2O .

Ex → Sugar solution.

Non-Aqueous solution is the solution in which the solvent is any other liquid except water

Ex- Tincture of Iodine + Alcohol.

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

$$\text{Solubility of salt} = 24 \text{ g} / 100 \text{ ml}$$

So, Solubility of salt in 100 ml of water = 24 g

∴ Solubility of salt in 1 ml of water

$$= \frac{24 \text{ g}}{100}$$

Now, solubility of salt in 240 ml of water

$$= \frac{24 \times 240}{100} \text{ g}$$

$$= \frac{24 \times 24}{10}$$

$$= \frac{576}{10}$$

$$= 57.6 \text{ g}$$

Hence, solubility of salt in 240 ml water is 57.6 g.