

## HOMEWORK

Q1. ~~What~~ What is aq and non-aq solution?

Ans:- The solution which has water as solvent is known as ~~the~~ aqueous solution.

Ex:- Salt solution, sugar solution.

The solution which any other ~~sub~~ substance ~~is~~ except water is known as non-aqueous solution.

Ex:- Tincture of Iodine

Q2. How much amount of salt can maximum get dissolved in 240 ml of water if the solubility of the salt is 24g?

Sol:-

Mass of solvent = 240g

Solubility of <sup>the</sup> salt = 24g

~~total~~ solubility =  $\frac{\text{Mass of salt}}{\text{Mass of water} \times 100}$

$$\Rightarrow 24 = \frac{\text{Mass of salt}}{100}$$

$\Rightarrow$  Mass of salt = 2400g

In 100g, maximum amount of salt that can be dissolved = 2400g

In 240 ml or 240g, maximum amount of salt that can be dissolved =  $\frac{2400}{100} \times 240 = 5760\text{g}$