

Aq Solⁿ

-> water - solvent

eg -> salt solⁿ, sugar solⁿ

Non Aq Solⁿ

-> any other - solvent.

eg:-
-> Tincture of iodine
(iodine + alcohol)

(Kerosene + wax)

Q) How much amount of salt can max^m get dissolved in 240 ml of water if the solubility of salt is

24 g^o

Ans) Let the amt. of salt be = x .

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

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

$$\Rightarrow \frac{24}{100} \times \frac{x}{240} \quad \{ \text{cross multiply} \}$$

$$\Rightarrow 100x = 24 \times 240$$

$$\Rightarrow x = \frac{24^{12} \times 240}{5100} = 57.6 \text{ g} \quad \{ \text{Ans} \}$$