Homework →

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

Ans: Aqeous solution is the solution where the solvent is water.

eg → Salt soln, sugar soln.

→ Non-Aq. solution is the solution where water is not a solvent, any other liquid is the solvent.

eg → Tinchture of Iodine
Keroseane + wax.

④ How much amount of salt can maximum get dissolved in 240 ml of water if the solubility of the salt is 24g?

Ans:- Solubility of the salt = 24g.

24g of salt can get dissolved in 100g of water.

Then, for , 1 ml of
water = $\dfrac{24\cancel{12}6}{\cancel{100}\cancel{50}25}$ = 0.24 g

Then, for 240 ml of water
= (240 × 0.24) g
= 57.6 g

∴ So, 57.6 g of salt can maximum get dissolved in 240 ml of water.