

15/4/21

ODM CONNECT APP HOMEWORK

Q1. What is Aqueous and Non-Aqueous solution?
Give one example from each type.

Ans) The solutions obtained by dissolving various substances in water are called aqueous solutions.
Eg - common salt dissolved in water.

The solutions obtained by dissolving the substances in liquids other than water are called non-aqueous solutions. The common non-aqueous solvents are alcohol, acetone, benzene etc. For eg - Sulphur dissolved in carbon disulphide.

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

Ans) ATP,
 $240 \text{ ml} = 240 \text{ g}$

$$\Rightarrow 1 \text{ ml} = \frac{24}{240} \text{ g}$$

$$\Rightarrow 100 \text{ ml} = \frac{24}{240} \times 100$$

$$\Rightarrow 100 \text{ ml} = 10 \text{ g}$$

Hence, 10 g of salt can maximum get dissolved in 240 ml of water if the solubility of the salt is 24 g.