

HW

IS MATTER AROUND US PURE?

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

Ans Aqueous Solution - An aqueous solution is a solution in which the solvent is water. Ex - Solution of table salt, sodium chloride etc.

Non-Aqueous Solution - A Non-Aqueous Solution is a solution in which the solvent is liquid, but is not water. Ex - Hexane, Alcohol, Oil, etc.

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

$$\text{Ans } \frac{x}{240} \times 100 = 24g \Rightarrow \frac{x}{24} = \frac{24}{10} \Rightarrow x = \frac{24}{10} \times 24$$

$$\Rightarrow x = \frac{288}{5} = 57.6g.$$