HOME ASSIGNMENT

(1) What is aqueous and non-aqueous solution? give one example form each type.

Ans) Aqueous Solutions: The solutions obtained by dissolving various substances in water are called aqueous solutions.
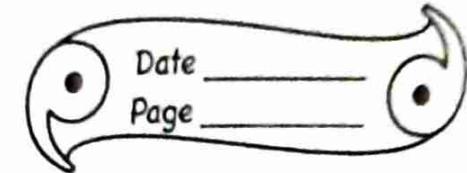
The common examples are:-

* Common salt dissolved in water, * Sugar dissolved in water *

Non-aqueous Solutions: The solutions obtained by dissolving the substances in liquids other than water are called non-aqueous solutions.

The examples are:-

* Iodine dissolved in carbon tetrachloride, * Sulphur dissolved in carbon disulphide etc.

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

Ans) A/Q,

$$240\,ml = 240\,g$$

$$1\,ml = \frac{\overset{1}{24}}{\underset{10}{240}}\,g = \frac{1}{10}\,g$$

$$100\,ml = \frac{1}{10} \times 100 = 10\,g$$

∴ 10g of salt can maximum get dessolved in 240ml of water if the solubility of salt is 24g