

Home Assignment

1. The solutions obtained by dissolving ~~in~~ ^{various} substances in water are called aqueous solution. Ex \Rightarrow Sugar dissolved in water, Common salt dissolved.

The solutions obtained by dissolving the substances in liquids other than water are called non-aqueous solution

Ex \Rightarrow Iodine dissolved in carbon tetrachloride, Sulphur dissolved in carbon disulphide.

CW

2. Let the amount of salt be x g.

The amount of solution = $240 + x$

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

$$\Rightarrow 100x = 24(240+x)$$

$$\Rightarrow 100x = 5760 + 24x$$

$$\Rightarrow 76x = 5760$$

$$\Rightarrow x = \frac{5760}{76}$$

$$\Rightarrow x = 76 \cdot 6 \text{ g}$$