

HW  
15/12/21

1) What is aqueous & non aqueous solution? Give one example of each type.

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

### Answers

1) Aqueous solution - A solution in which solvent is water  
Eg - Sugar solution, salt solution etc

Non aqueous solution - A solution in which solvent is not water. Eg - Tincture of iodine, kerosene + wax etc

2) 100 ml of water can dissolve 24g salt

$$240 \text{ ml} = 200 \text{ ml} + 40 \text{ ml}$$

200 ml water can dissolve = 48g salt

40 ml water can dissolve =  $\frac{24}{100} \times 40 = 9.6 \text{ g salt}$

$\therefore$  240 ml can dissolve  $48 + 9.6 = 57.6 \text{ g salt}$ .