## Points to Remember



| Hydrated Salts |  |  |
| :---: | :---: | :---: |
| Common Name | IUPAC Name | Molecular Formula |
| Blue Vitriol | Copper (II) sulphate pentahydrate | $\mathrm{CuSO}_{4 .} 5 \mathrm{H}_{2} \mathrm{O}$ |
| Green Vitriol | Iron (II) sulphate heptahydrate | $\mathrm{FeSO}_{4 .} 7 \mathrm{H}_{2} \mathrm{O}$ |
| White Vitriol | Zinc sulphate heptahydrate | $\mathrm{ZnSO}_{4 .} 7 \mathrm{H}_{2} \mathrm{O}$ |
| Epsom Salt | Magnesium sulphate heptahydrate | $\mathrm{MgSO}_{4 .} 7 \mathrm{H}_{2} \mathrm{O}$ |
| Gypsum | Calcium sulphate dihydrate | $\mathrm{CaSO}_{4} .2 \mathrm{H}_{2} \mathrm{O}$ |

$\begin{cases}\star \text { Solubility } & =\frac{\text { Mass of the solute }}{\text { Mass of the solvent }} \times 100 \\ \star \text { Mass percentage } & =\frac{\text { Mass of the solute }}{\text { Mass of the solute }+ \text { Mass of the solvent }} \times 100 \\ \star \text { Volume percentage }=\frac{\text { Volume of the solute }}{\text { Volume of the solute }+ \text { Volume of the solvent }} \times 100\end{cases}$

