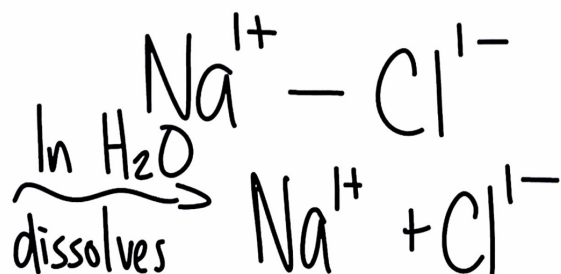
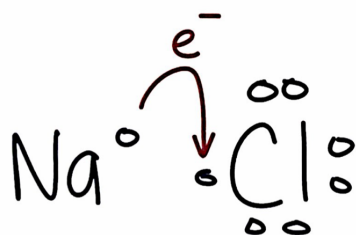


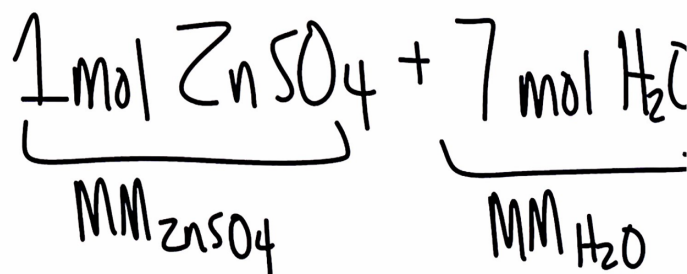
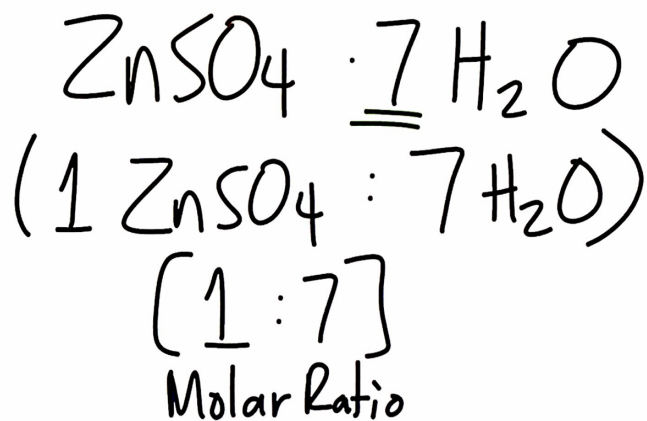
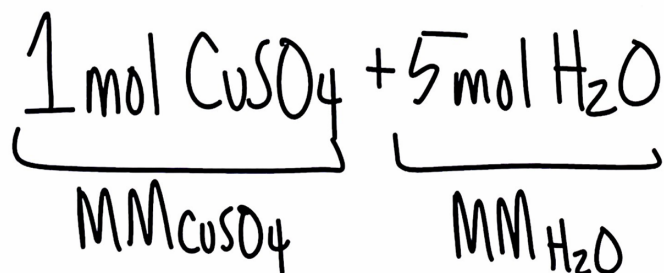
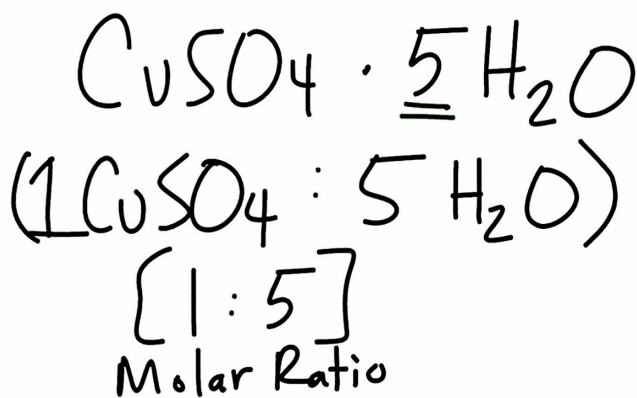
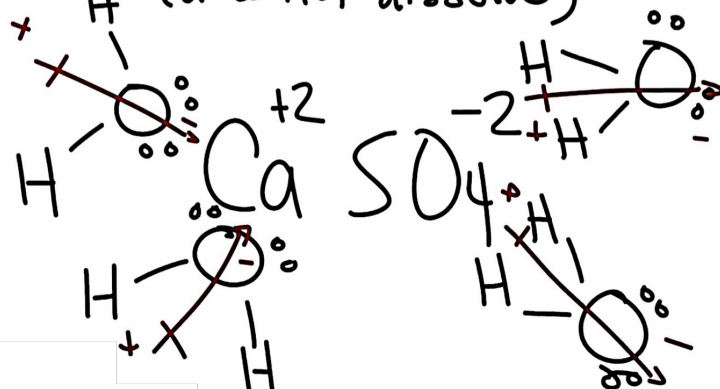
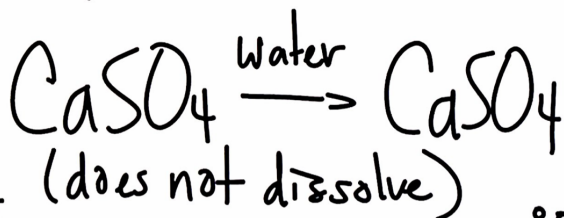
Noteset 6D – Hydrates and Molar Ratios

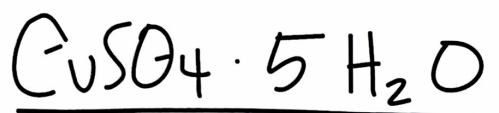
In Class Notes

Standard Ionic



Hydrate





$$\begin{array}{l|l} \text{Cu} : 1 \cdot 63.55\text{g} & \text{H} : 2 \cdot 1.01\text{g} \\ \text{S} : 1 \cdot 32.07\text{g} & \text{O} : 1 \cdot 16.00\text{g} \\ \text{O} : 4 \cdot 16.00\text{g} & \\ \hline & 18.02\text{g} \end{array}$$

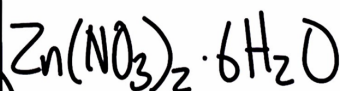
$$159.62\text{g}$$

$$\begin{aligned} \text{CuSO}_4 \cdot 5\text{H}_2\text{O} &= 159.62\text{g} + 5(18.02\text{g}) \\ &= 249.72\text{g/mol} \end{aligned}$$



$$\begin{array}{l|l} \text{Zn} : 1 \cdot 65.39\text{g} & \text{H} : 2 \cdot 1.01\text{g} \\ \text{N} : 2 \cdot 14.01\text{g} & \text{O} : 1 \cdot 16.00\text{g} \\ \text{O} : 6 \cdot 16.00\text{g} & \\ \hline & 18.02\text{g} \end{array}$$

$$\text{Zn}(\text{NO}_3)_2 = 189.41\text{g}$$



$$= 189.41\text{g} + 6 \cdot 18.02\text{g} = 297.53\text{g/mol}$$