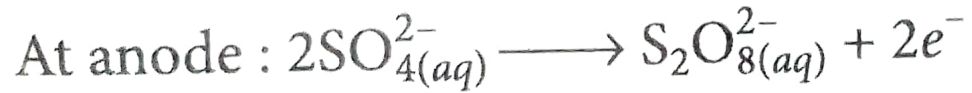
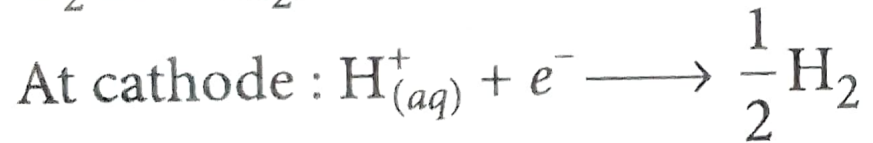


(b) : Electrolysis of concentrated sulphuric acid produces peroxydisulphuric acid ($\text{H}_2\text{S}_2\text{O}_8$) along with O_2 and H_2 .



$\text{S}_2\text{O}^{2-}_8$ combines with H^+ ions to produce $\text{H}_2\text{S}_2\text{O}_8$.