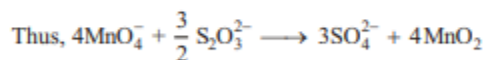
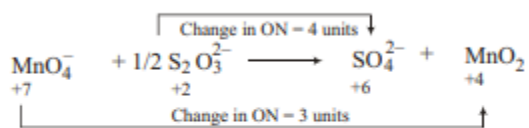


In neutral or faintly alkaline solution, 8 moles of permanganate anion quantitative oxidise thiosulphate anions to produce X moles of a sulphur containing product. The magnitude of X is (2016 Adv.)

In neutral or faintly alkaline solution, MnO_4^- is reduced to MnO_2 and $\text{S}_2\text{O}_3^{2-}$ is oxidised to SO_4^{2-} .



Thus, moles of SO_4^{2-} formed by 8 moles of $\text{MnO}_4^- = 6$