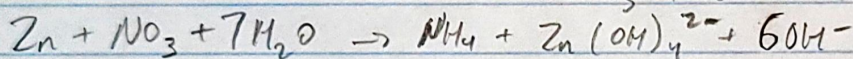
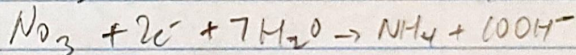
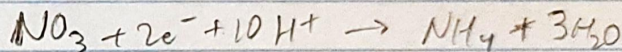
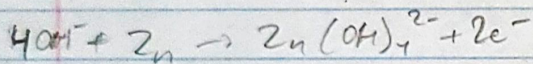
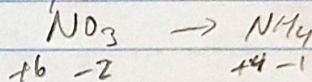
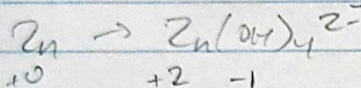
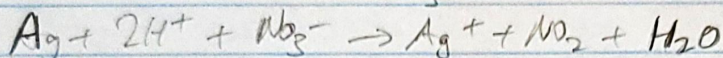
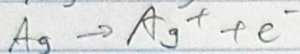
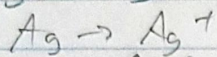
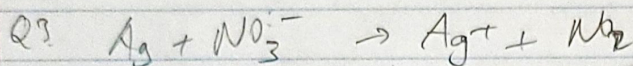
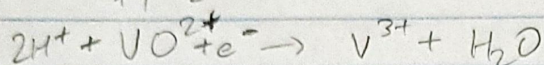
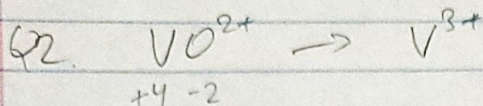
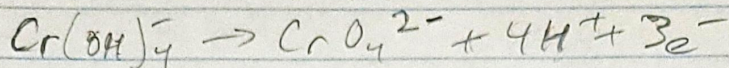
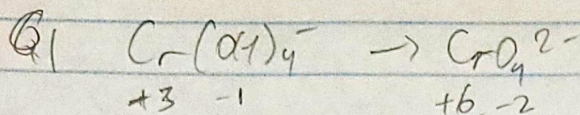


Max Shi



Q5. $0.150\text{M} \times 0.03520\text{L} = 0.00528\text{mol } \text{N}_2\text{S}_2\text{O}_3$

$0.00528\text{mol } \text{N}_2\text{S}_2\text{O}_3 \times \frac{1\text{mol } \text{S}_2\text{O}_3^{2-}}{1\text{mol } \text{N}_2\text{S}_2\text{O}_3} \times \frac{1\text{mol } \text{I}_2}{1\text{mol } \text{S}_2\text{O}_3^{2-}} \times \frac{253.8\text{g } \text{I}_2}{1\text{mol } \text{I}_2} = 1.34\text{g } \text{I}_2$

Q6. $35\text{ drops} \times \frac{0.05\text{ mL}}{1\text{ drop}} = 1.75\text{ mL} \times \frac{1.05\text{ g solution}}{1\text{ mL solution}} = 1.8375\text{ g added}$

$1.8375 + 150.25 = 152.09\text{ g (mass of flask and contents)}$