

Headline

1. Question A

(H=+1, O=-2)

$$\begin{aligned} (\overset{\circ}{\text{Mn}}\overset{\circ}{\text{O}}\overset{\circ}{\text{O}})^{\ominus 2} \\ 2x + 3(-2) = -2 \\ 2x - 6 = -2 \\ 2x = 4 \\ x = 2 \end{aligned}$$

$$\begin{aligned} \text{H}_2(\overset{\circ}{\text{W}}\overset{\circ}{\text{O}}\overset{\circ}{\text{O}}) \\ 2(+2) + 5x + 3(-2) = 0 \\ 4 + 5x - 6 = 0 \\ 5x - 2 = 0 \\ 5x = 2 \\ x = \frac{2}{5} \end{aligned}$$

$$\begin{aligned} \text{HMnO}_2 \\ 2(+2) + x + 3(-2) = 0 \\ 4 + x - 6 = 0 \\ -2 + x = 0 \\ x = 2 \end{aligned}$$

2. Question B

