

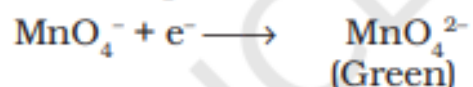
46. A solution of KMnO_4 on reduction yields either a colourless solution or a brown precipitate or a green solution depending on pH of the solution. What different stages of the reduction do these represent and how are they carried out?

46. Oxidising behaviour of KMnO_4 depends on pH of the solution.

In acidic medium ($\text{pH} < 7$)



In alkaline medium ($\text{pH} > 7$)



In neutral medium ($\text{pH} = 7$)



