

18. When acidified $K_2Cr_2O_7$ solution is added to Sn^{2+} salts then Sn^{2+} changes to

- (i) Sn
- (ii) Sn^{3+}
- (iii) Sn^{4+}
- (iv) Sn^+

18. (iii)

21. Why is HCl not used to make the medium acidic in oxidation reactions of KMnO_4 in acidic medium?

- (i) Both HCl and KMnO_4 act as oxidising agents.
- (ii) KMnO_4 oxidises HCl into Cl_2 which is also an oxidising agent.
- (iii) KMnO_4 is a weaker oxidising agent than HCl.
- (iv) KMnO_4 acts as a reducing agent in the presence of HCl.

21. (ii)