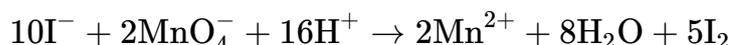


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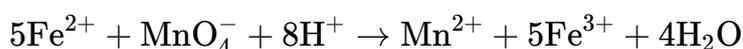


Reactions of KMnO_4 in Acidic Medium:

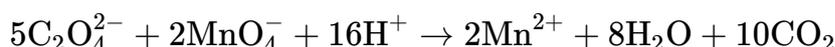
1. Oxidation of Iodide to Iodine:



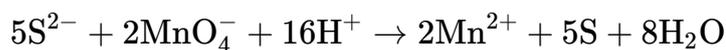
2. Oxidation of Iron(II) to Iron(III):



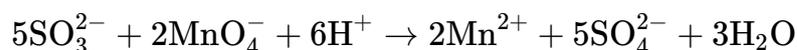
3. Oxidation of Oxalate to Carbon Dioxide:



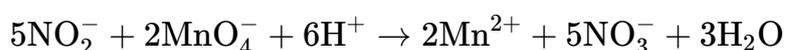
4. Oxidation of Hydrogen Sulfide to Sulfur:



5. Oxidation of Sulfite to Sulfate:

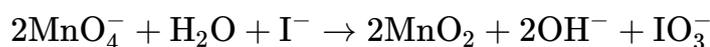


6. Oxidation of Nitrite to Nitrate:

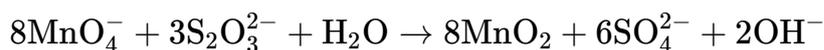


Reactions of KMnO_4 in Neutral or Alkaline Medium:

1. Oxidation of Iodide to Iodate:



2. Oxidation of Thiosulfate to Sulfate:



3. Oxidation of Manganous Salt to MnO_2 :



These reactions highlight the strong oxidizing nature of KMnO_4 under different conditions. Let me know if you need explanations for any specific reaction or further details.