Worksheet: Redox Reactions

Maharashtra State Board · Class 11 · Chemistry · 5 questions · 17 marks

Name: _____ Date: _____ Score: _____ / 17

Q1. What is a disproportionation reaction? Give an example. *[2 marks]*

Q2. Assign the oxidation number of Mn in KMnO4 and Cr in Cr2O3. *[2 marks]*

Q3. Calculate E_cell for Zn + Cu2+ -> Zn2+ + Cu (E_Zn = -0.76 V, E_Cu = +0.34 V). *[3 marks]*

Q4. Balance Fe2+ + Cr2O7 2- -> Fe3+ + Cr3+ in acidic medium. *[5 marks]*

Q5. Balance MnO4- + I- -> MnO2 + I2 in basic medium. *[5 marks]*