

Worksheet: Coordination Compounds

ISC · Class 12 · Chemistry · 5 questions · 11 marks

Name: _____

Date: _____

Score: _____ / 11

Q1. What isomerism is shown by $[\text{Co}(\text{NH}_3)_5(\text{ONO})]^{2+}$ and $[\text{Co}(\text{NH}_3)_5(\text{NO}_2)]^{2+}$? [2 marks]

Q2. What is the coordination number of Co in $[\text{Co}(\text{NH}_3)_4\text{Cl}_2]^+$? [2 marks]

Q3. Name one medicinal application of a coordination compound. [2 marks]

Q4. Write the IUPAC name of $\text{K}_3[\text{Fe}(\text{C}_2\text{O}_4)_3]$. [2 marks]

Q5. $[\text{Fe}(\text{H}_2\text{O})_6]^{3+}$ has 5 unpaired electrons while $[\text{Fe}(\text{CN})_6]^{3-}$ has 1. Explain. [3 marks]
