

NCERT/CBSE CHEMISTRY CLASS 12 textbook

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Solutions/Answers to NCERT/CBSE CHEMISTRY Class 12 (Class XII) textbook

CHAPTER NINE

Coordination Compounds

9.28

How many ions are produced from the complex $\text{Co}(\text{NH}_3)_6\text{Cl}_2$ in solution?

(i) 6 (ii) 4 (iii) 3

(iv) 2

$\text{Co}(\text{NH}_3)_6\text{Cl}_2$ in solution produces 3 ions, because on ionization the complex produces two chloride ions and one hexachloro cobalt (II) ion as shown below.



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