

# 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

9.5

Specify the oxidation numbers of the metals in the following coordination entities:

$$(i) [Co(H_2O)(CN)(en)_2]^{2+} = x + 0 + (-1) + 0 = +2 = x = 3$$

$$(ii) [CoBr_2(en)_2]^+ = x + (-2) + 0 = +1 = +3$$

$$(iii) [PtCl_4]^{2-} = x + (-4) = -2 = +2$$

$$(v) [Cr(NH_3)_3Cl_3] = x + 0 + (-3) = 0 = +3$$

$$(iv) K_3[Fe(CN)_6] = +3 + x(-6) = 0 = +3$$

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