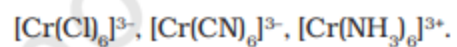


Arrange following complex ions in increasing order of crystal field splitting energy ( $\Delta_o$ ) :



As CFSE depends on ligand Field strength the following is the order :

Crystal field splitting energy increases in the order  $[\text{Cr}(\text{Cl})_6]^{3-} < [\text{Cr}(\text{NH}_3)_6]^{3+} < [\text{Cr}(\text{CN})_6]^{3-}$