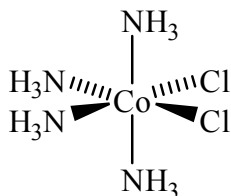
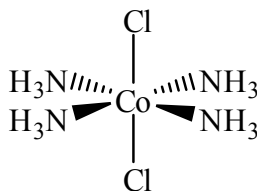


- Coordination complexes can display a number of types of isomerism. Draw a simple diagram showing a pair of geometric isomers. Label your diagram with the systematic name of each isomer.

**The compound  $[\text{Co}(\text{NH}_3)_4\text{Cl}_2]$  can exist as in two isomeric forms which differ in the arrangement of the ligands in space.**



***cis*-tetraamminedichloridocobalt(II)**



***trans*-  
tetraamminedichloridocobalt(II)**