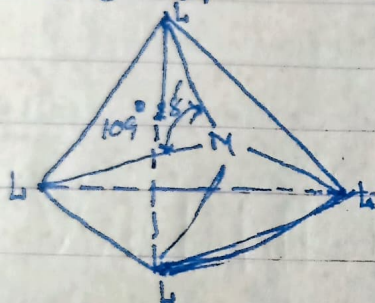
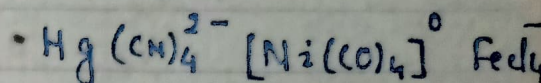
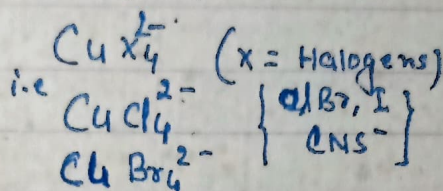
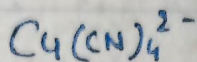
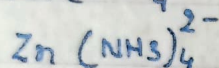
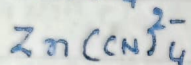
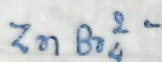
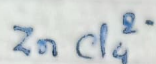


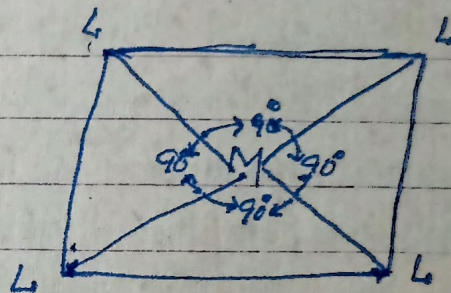
STEREO CHEMISTRY OF COMPLEXES.

CO-ORDINATION Number 4 ✓

Complexes with Co-ordination Number 4 may be tetrahedral or Square Planar in Geometry. Complexes like,



Tetrahedral ML_4
(ML_4)



Square Planar ML_4
(ML_4)

Co-ordination Number 6 ✓

Complexes with Co-ordination number 6 are the most common, formed by transition metal ions.

In a Six Co-ordination Compound, six ligands are may be arrange round the Central metal ion, M, either at the corners of hexagonal plane or at the apices of a trigonal Prism or at the apices of a regular Octahedron.

An extensive study of the Geometrical and optical isomers of Complexes with C.N = 6, has, however shown that arrangement of six ligands in a 6 (six) Co-ordinated Compound is always Octahedral, and that the arguments