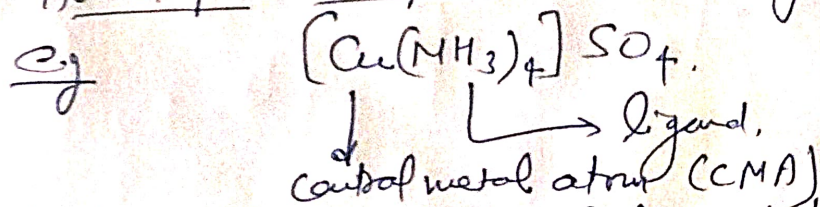


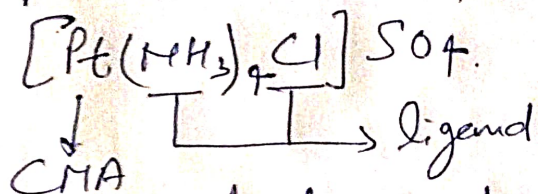
Classification of Complex compound.

① On the basis of ligands.

i) Homoleptic complex: Same type of ligands.

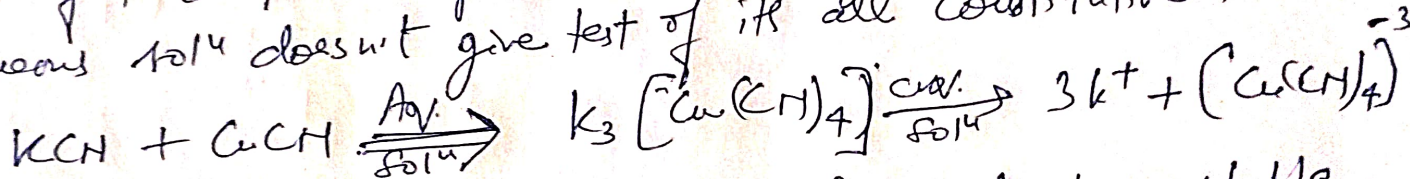


ii) Heteroleptic complex: Different types of ligands.

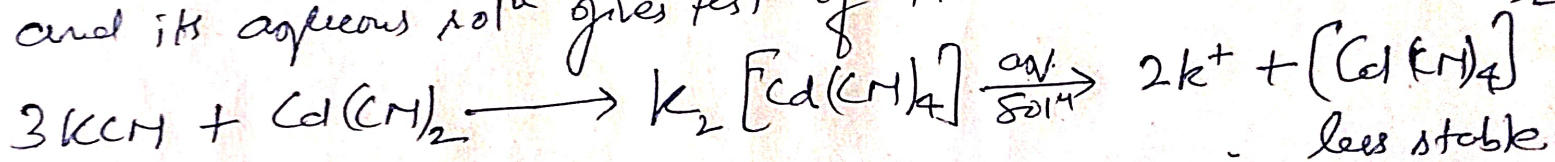


② On the basis of degree of dissociation

i) Perfect complex compound: Relatively more stable & its aqueous solⁿ doesn't give test of its all constitutive ions.



ii) Imperfect complex compound: Relatively less stable and its aqueous solⁿ gives test of its all constitutive ions.



Representation of Complex ion

Coordination sphere :- $[\text{ML}_x]^{\pm n}$

Outside region

- ionisation sphere
- free ion
- cation