Stereo i converism - same chemical
Dormula & same chemical bonds but
different spatial assangements.
1 Geometrical Isomerism
Arises in heterosephic complexes
" Cis - two ligands adjacent to each other (98)
· Trans- " " opposite " " (1800)
2) Optical Isomerican 1-optical incomerce
are missor images that cannot be
Superimposed one one another. These are
called as enanthomers. (optically active
* square planes complex (cn=4) balre).
1 comp G1
optical x may - a -albicidielt
POCO Mary - 0 Monodantale
Mazbz-2 -(AA) - 84mmetrial
Nazbe-2 bidentate (donor
Nabed - 3 a tow & ane [en, ox]
bidentate (dibte)
* By using Bidenlate bigands
M (AA)2 7 Jugaad
MIRATE GIED Symmetrical bidentaine
13 (11.170)
MICANDO DE T. O CAMPAN (AP)
M (AR) for unsymmetrial pidentore
M(AB) = 2.61 (AB) for unsymmetrical bidonfore M(AB) = 2.61
M(AR)b2 = 0 (always) M(AR)b2 = 2 (AI M(AR)b2 = 0
M(AR)b2 = 0 (always) M(AR) for unsymmetrical biduntare M(AR)2 = 2 (AI M(AR)b2 = 0 M(AR)bC = 2-6-I
M(AR) for unsymmetrical biduntare M(AR) for unsymmetrical biduntare M(AR) = 2 GI M(AR) = 0 M(AR) be = 2 GI * Tetra hedral complex (CN=4)
M(AR) for unsymmetrical biduntare M(AR) for unsymmetrical biduntare M(AR) = 2 h I M(AR) b = 0 M(AR) b = 2 h I * Tetra hedral complex (c. N = 4) L optically active iD - (1) Mascel
M(AR) for unsymmetrical bidontare M(AR) for unsymmetrical bidontare M(AR) = 2 GI M(AR) b = 0
M(AR) for unsymmetrical bidontare M(AR) for unsymmetrical bidontare M(AR) = 2.61 M(AR) b = 0 M(AR) b = 2.61 M(AR) b = 2.61 M(AR) b = 0 M(AR)
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MLAA)bC (AR) for unsymmetrical bidonforce MLAB) for unsymmetrical bidonforce MLAB) b2 = 2 GI MLAB) b2 = 0 MLAB
MEANING (AR) for unsymmetrical biddenters MEARING = 2 GI ME
MIAA) bC (AR) for unsymmetral bidonfore MIAB) b2 = 2 GI MIAB) b2 = 0
MIAA)bc (AB) for unsymmetrical biologoper MIAB)bc = 2.6.I MIAB)cc = 2.6.
MIAA)bc (AB) for unsymmetral bidenfore MIAB)2 = 2 GI MIAB)bc = 2 GI MIAB MIAB MIAB MIAB
MIAA)bc (AB) for unsymmetrical biologoper MIAB)bc = 2.6.I MIAB)cc = 2.6.

present - O A

Type	No of GI	[-2
Ma6	- 0 1	0
1405h -	- 0	- 0
	- 2	- 2
Maybe -	- 2 -	2
M100 b7	- 2 -	2
-uctor Ric	tentate li	gande /
OMLAA)3	- (col	50737
C+) [+)	0.1(4)	S. 7 = 2
2) M(AA)26	2 (10)11	Sector Leading
C-1 = 3	011 2-	e actine,
3 MIAA)2	ьс	Anthora a

3) M(AA)26C C.I = 2 CIL & frank S.I = 3 "CIL 12 OCHVE"

Importance & Applications of Coordination compounds

- 1) Hardness ob water is cotimated by simple titration with Nazeota.
- @ In extraction & purification ab netale.
- @ Rhod lum complex. [Rhol (PPh2)3], a willicincon catalyst, Is used bor the hydrogenation of Alicenes.
- a In black & white photography, the developed bilm is tixed by washing with hypo solution which dispolved the undecomposed Ager to born a complex ion, [Age (203)2].
- (SEDTA is used in the treatment of
- @ cie-platin is used as anticoncer.
- Drotosalutherin →n3)

 ⊕ CriosobraM (bildmany sorbouriple gos
- & Haemoglobin → Fe
- O cyano cobalomine vitamin 812 co
- (a) Articles can be electroplated with silver a gold much wore amouthly a evenly brom solutions of the complexes, [Ag(cN)) & [Au(cN)2] than from a solo of simple netal long.