

STEREISOMERISM

NW Discussion (Theory copy):

(54) yes

(55) yes

(56) yes

(57-62) yes

(65) yes

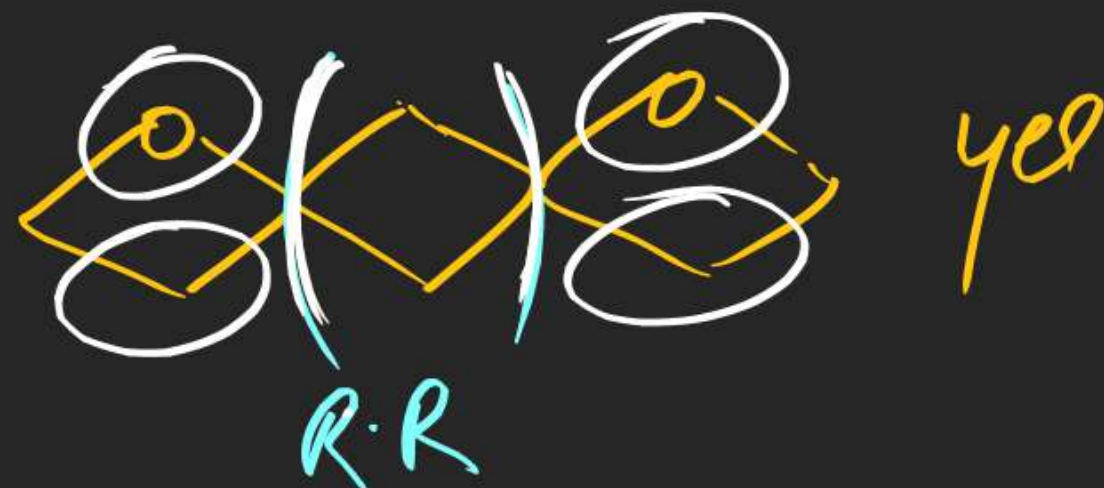
(66) yes

(67) yes

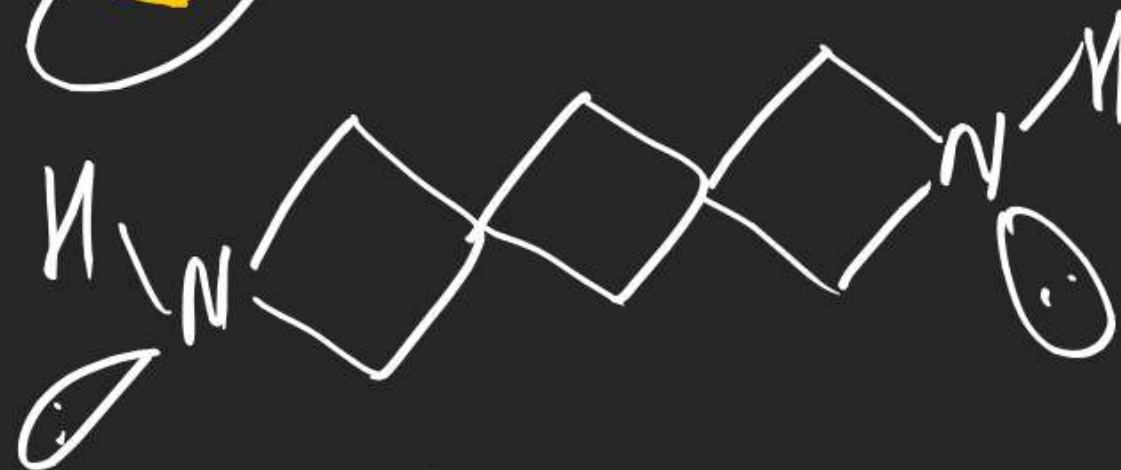
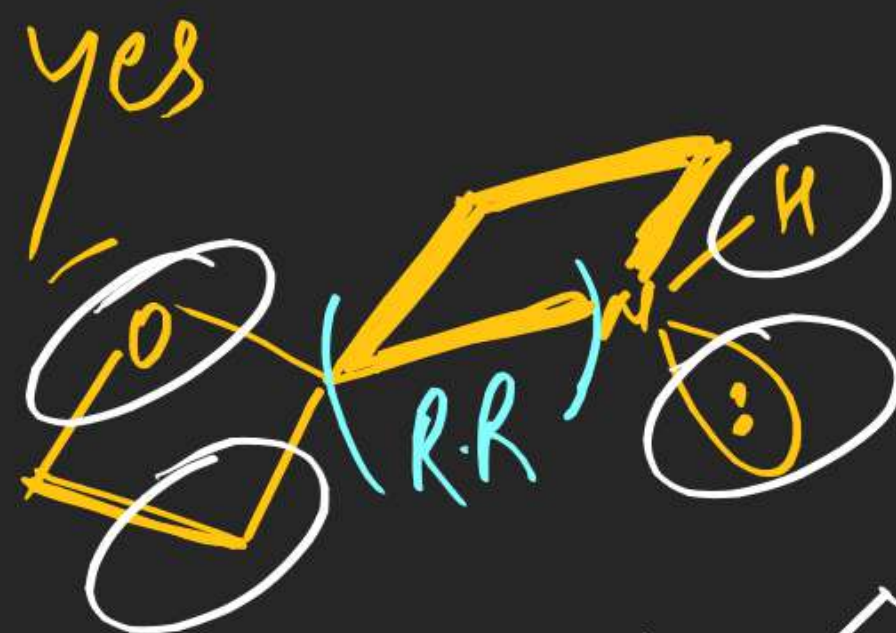
(68) yes

(69) yes

(70)

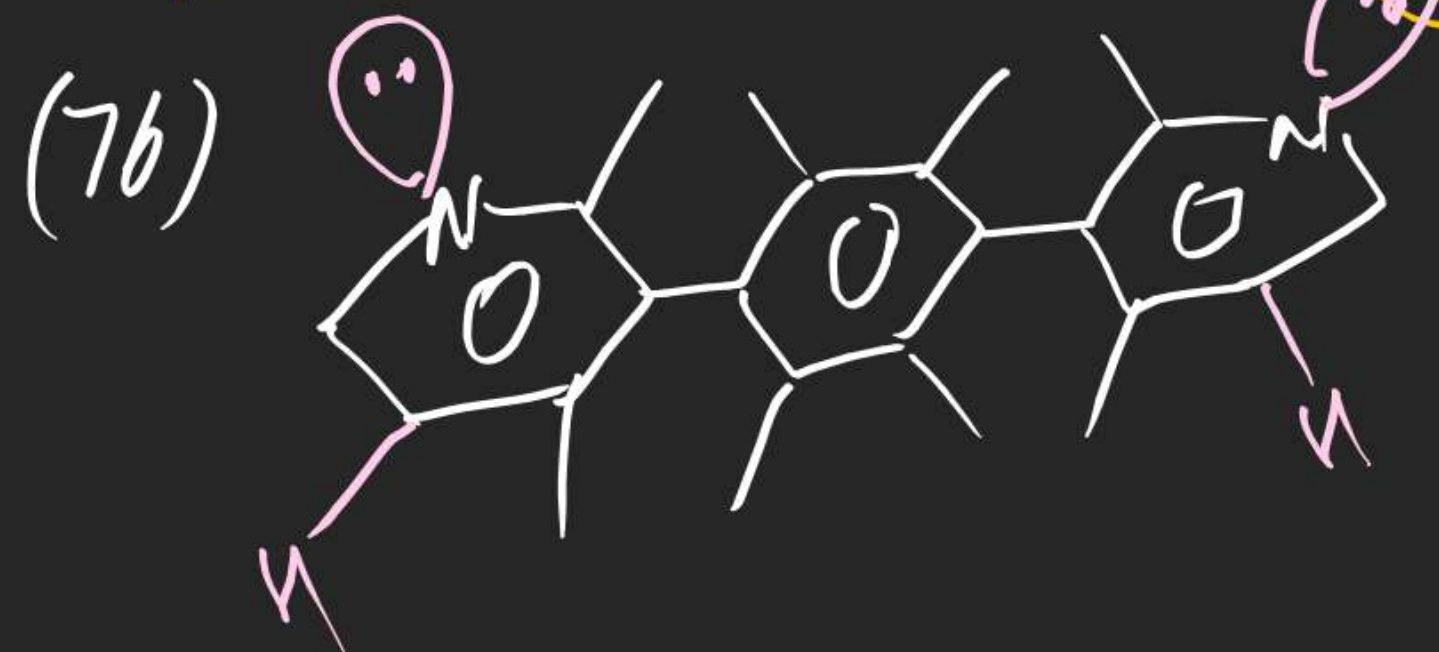
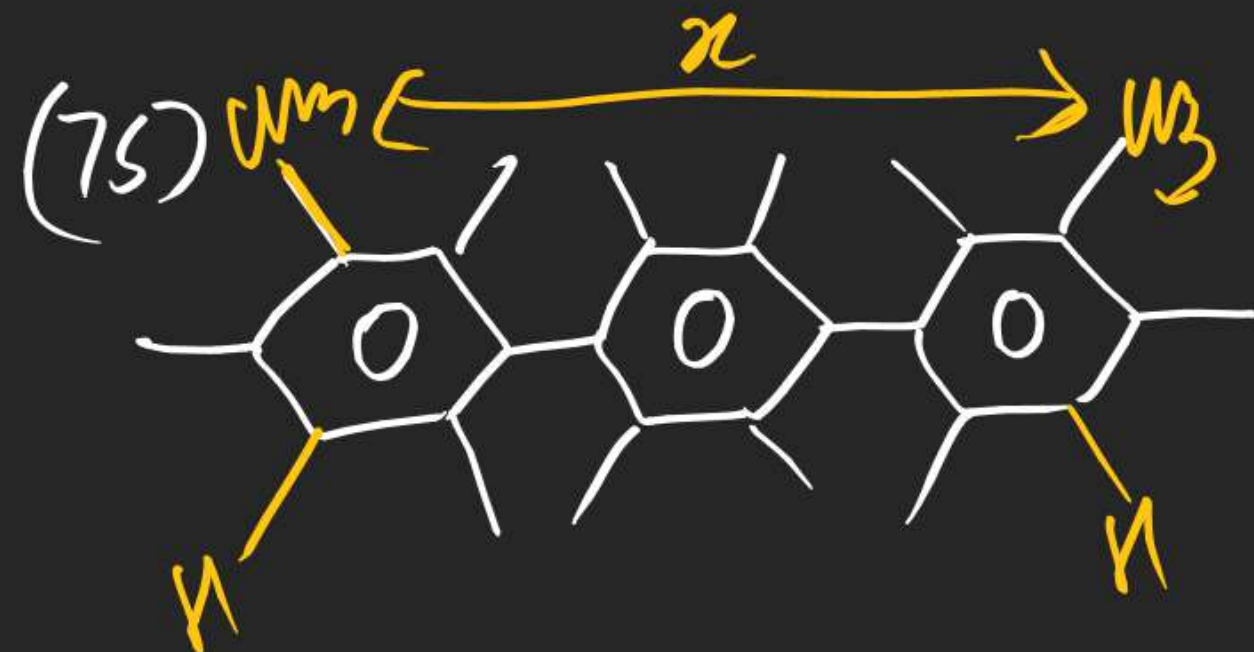
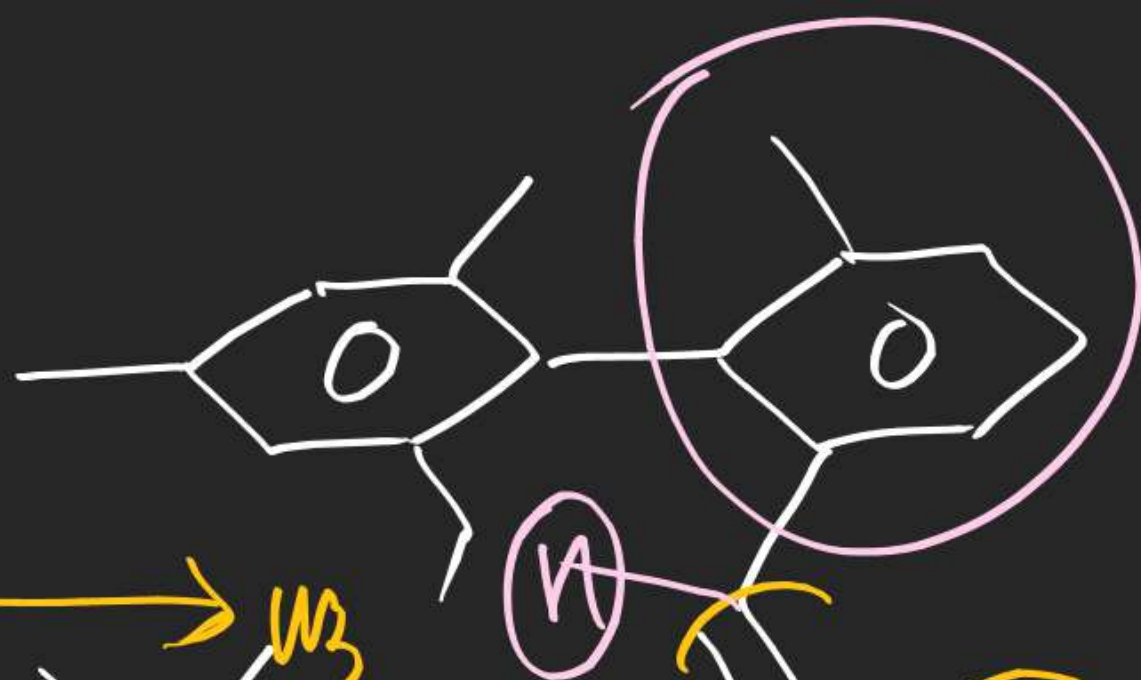


(71)



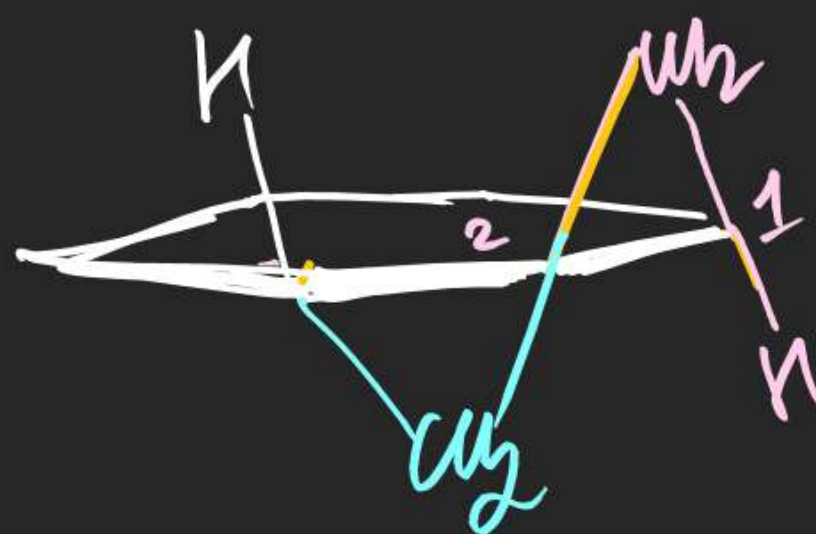
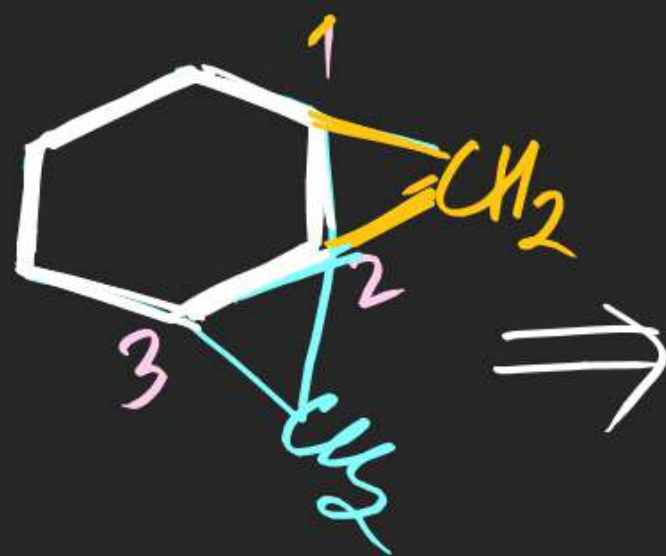
(72) NO

(73) Yes

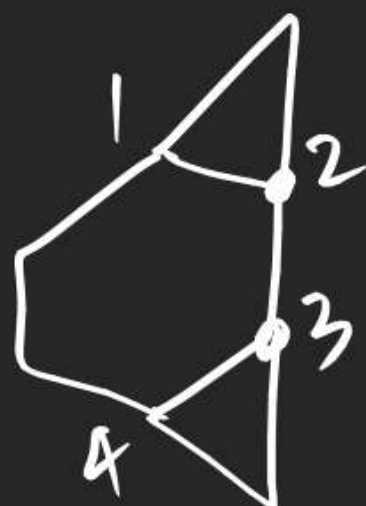


STEREISOMERISM

(77)



(78)



yes



STEREISOIMERISM

(79) yes

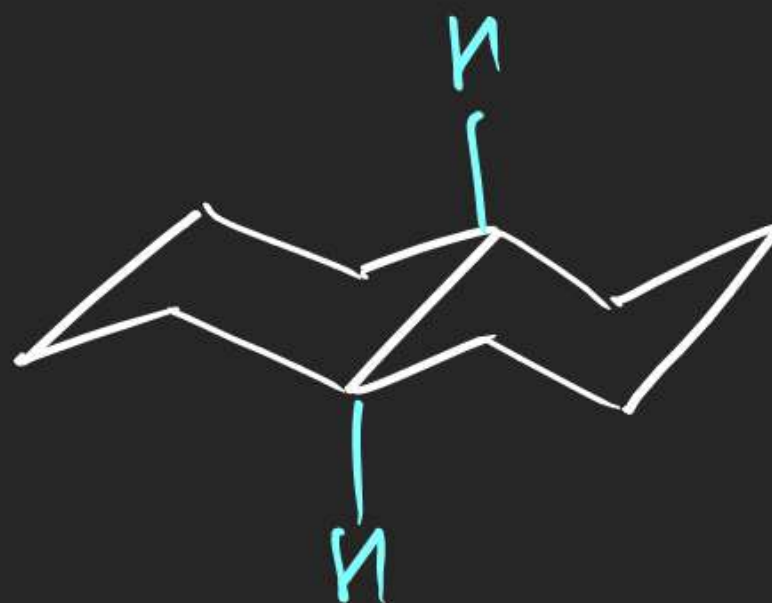
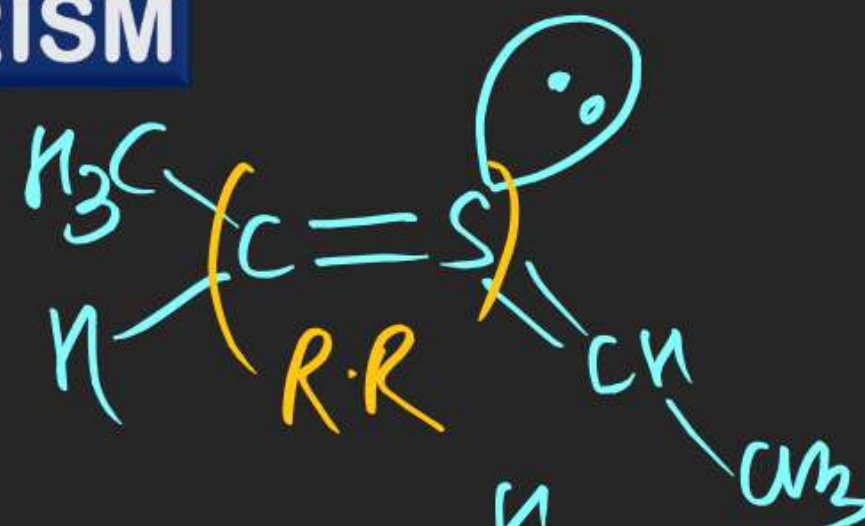
(80) yes

(81)

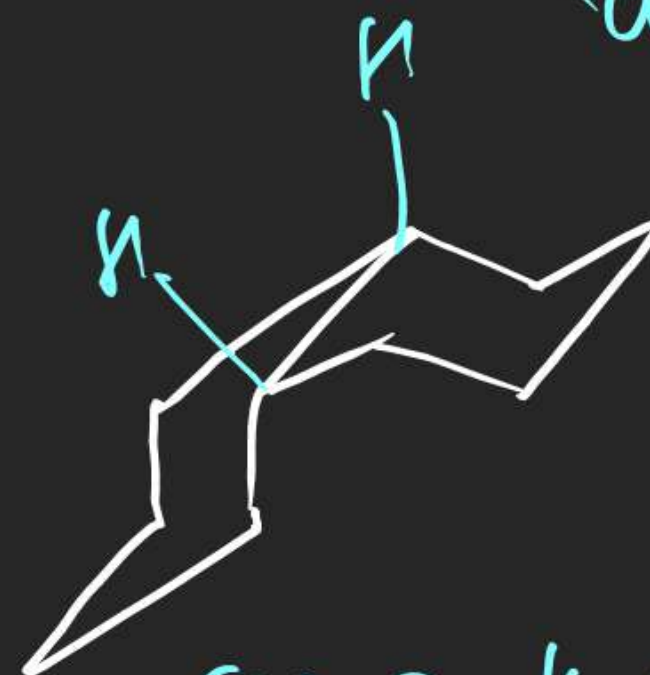


Decline

(82) yes



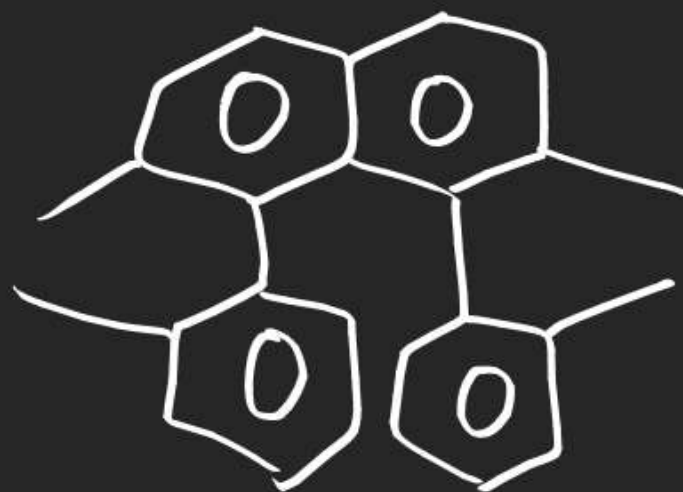
Trans-Decline



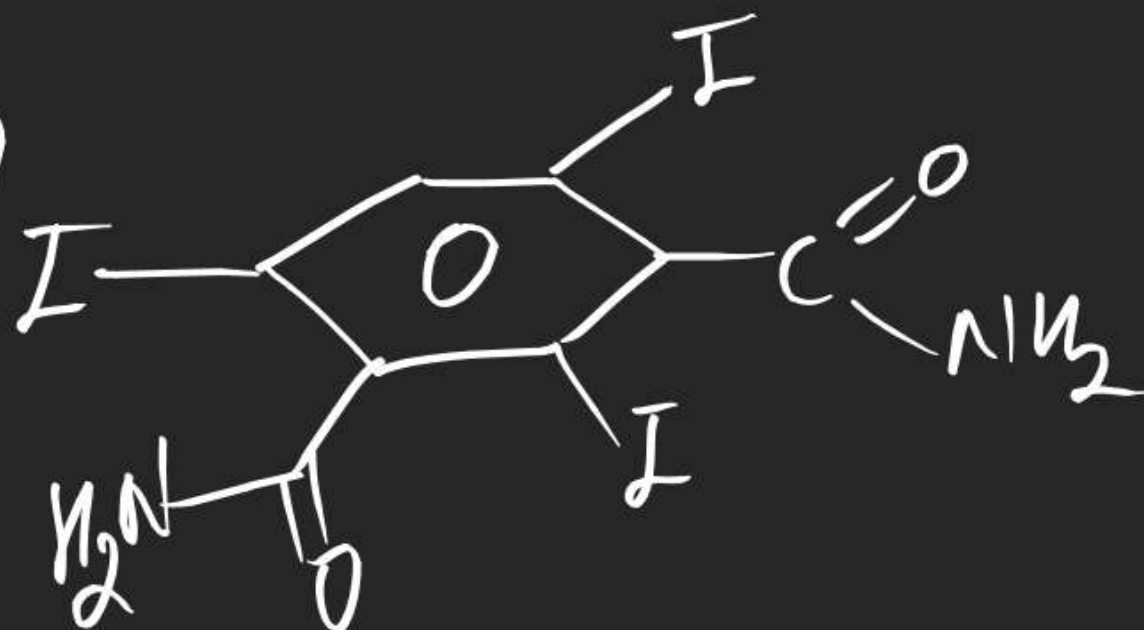
Cis-Decline

STEREISOMERISM

(83)



(84)

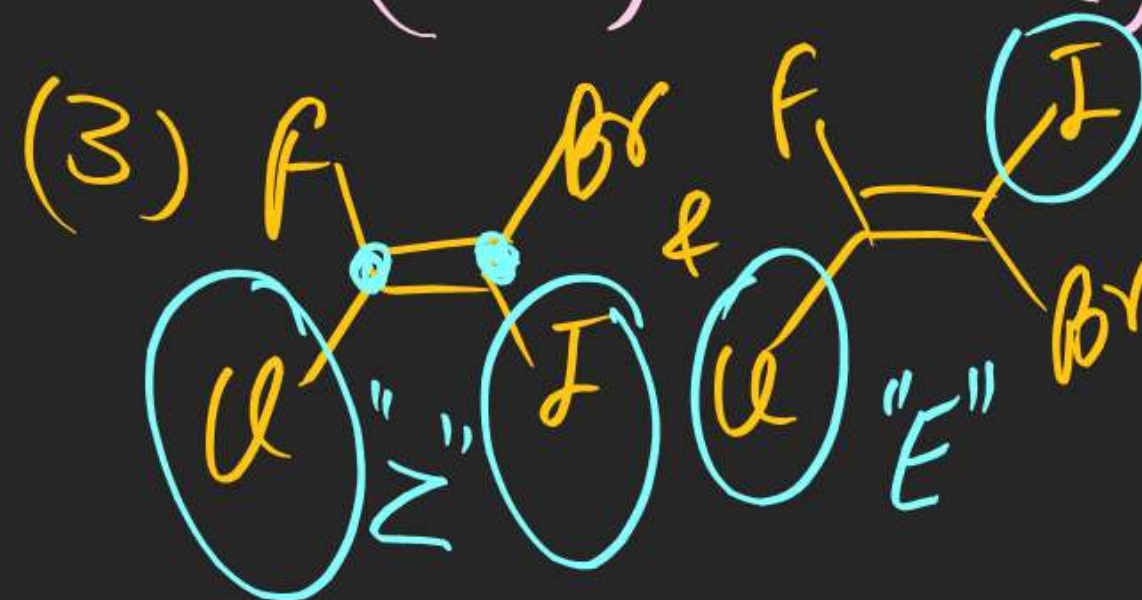
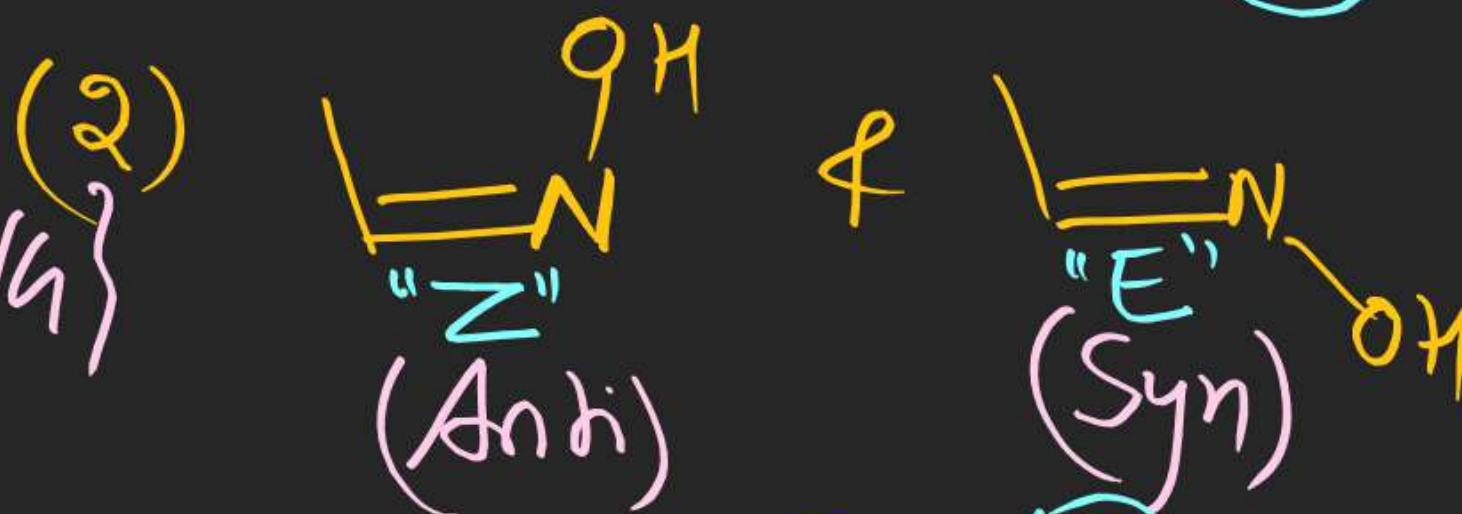
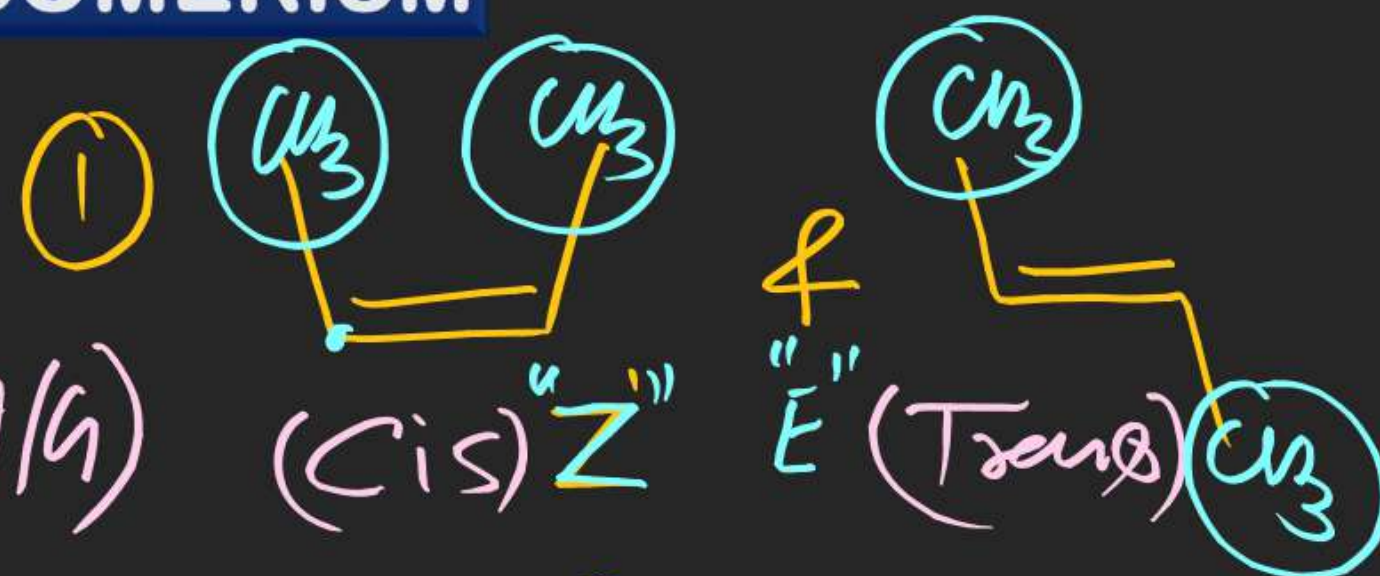


STEREISOMERISM

(#) E & Z System:

E \Rightarrow Entgegen \Rightarrow opposite
 { higher CIP Priority A/G }

Z \Rightarrow Zusammen \Rightarrow Together
 { higher CIP Priority A/G }



(#) Cahn, Ingold & Prelog Rule; (CIP)

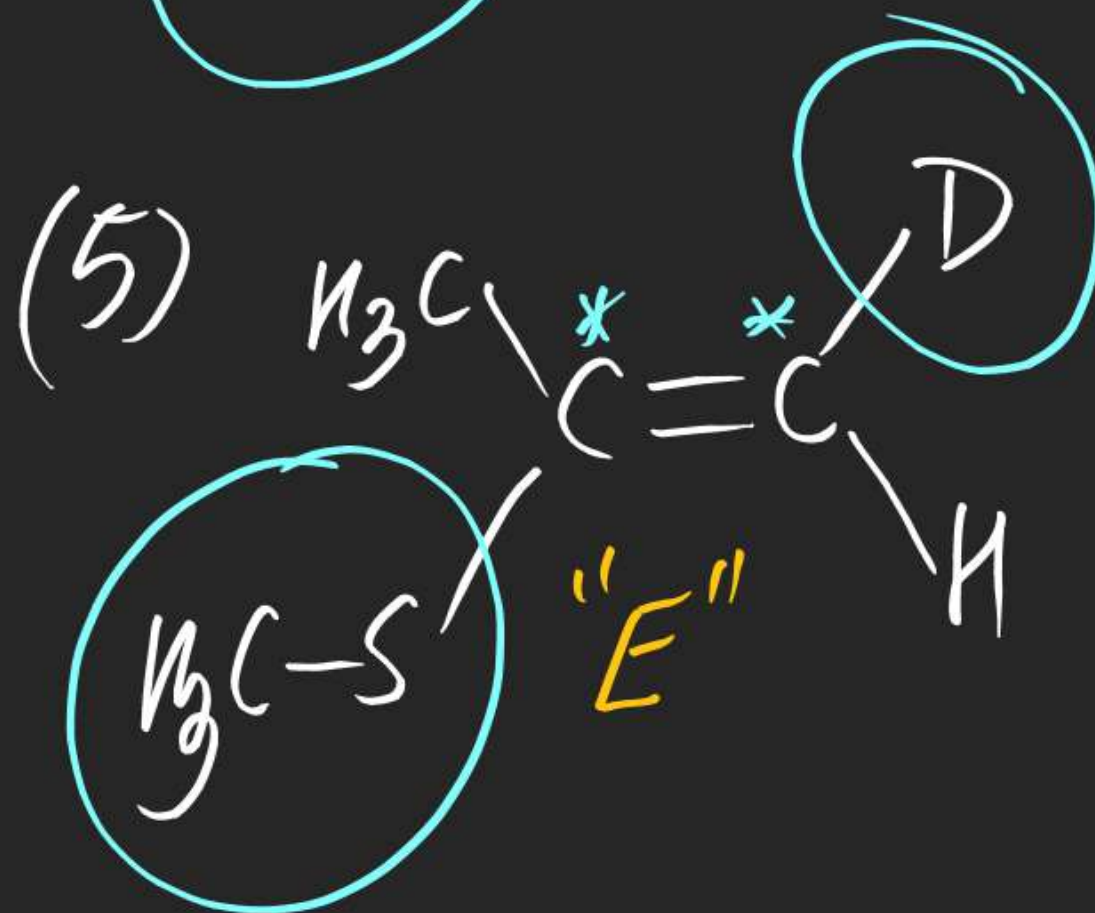
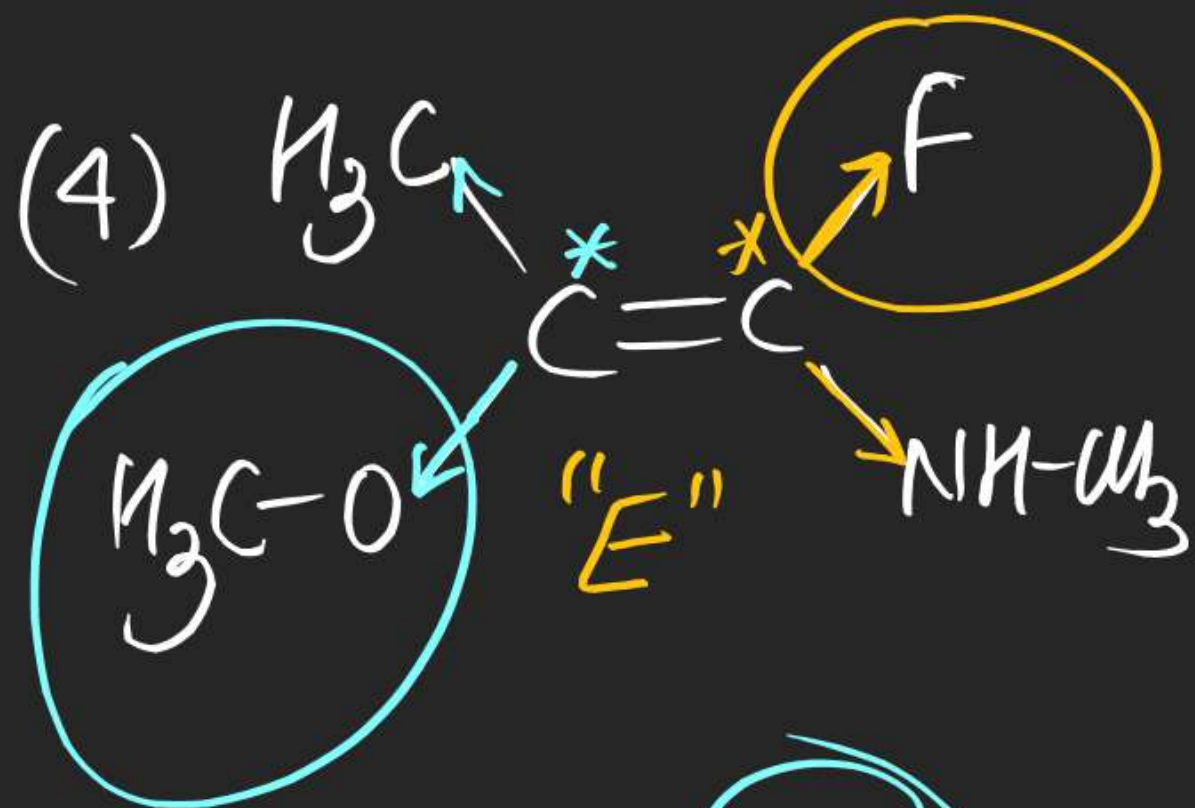
Rule-1:

Priority \propto At. no of directly attached atom.

Rule-2:

Priority \propto At. wt of directly attached atom

(in case of isotopes)



Rule-3:- If directly attached atom is same, then observe next bonded atomic set, if any atom of a set contains higher (at. no) than (at. no) of atoms of other set then prior set gets higher priority.

