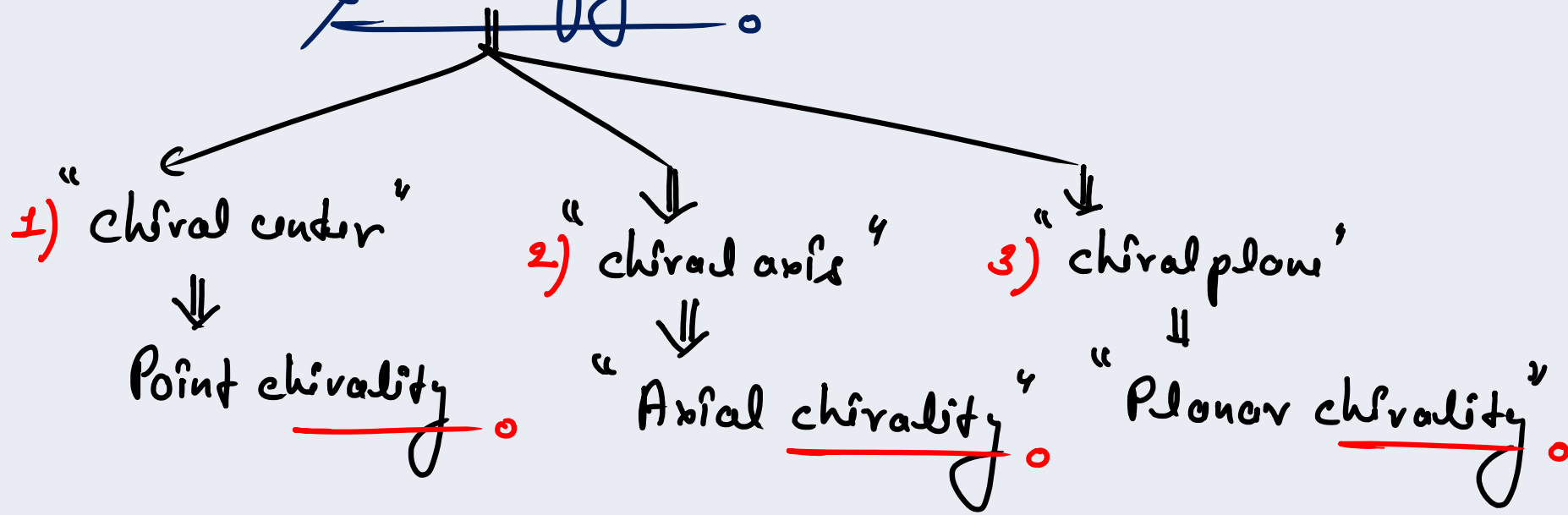




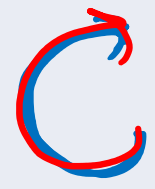
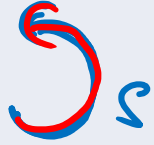
R/S Configuration

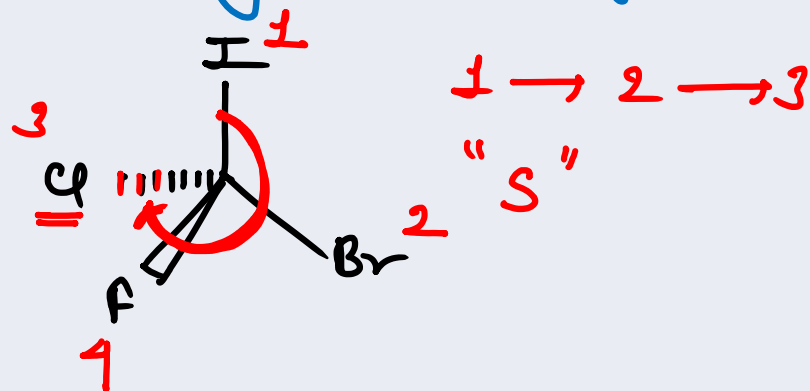




Chiral center

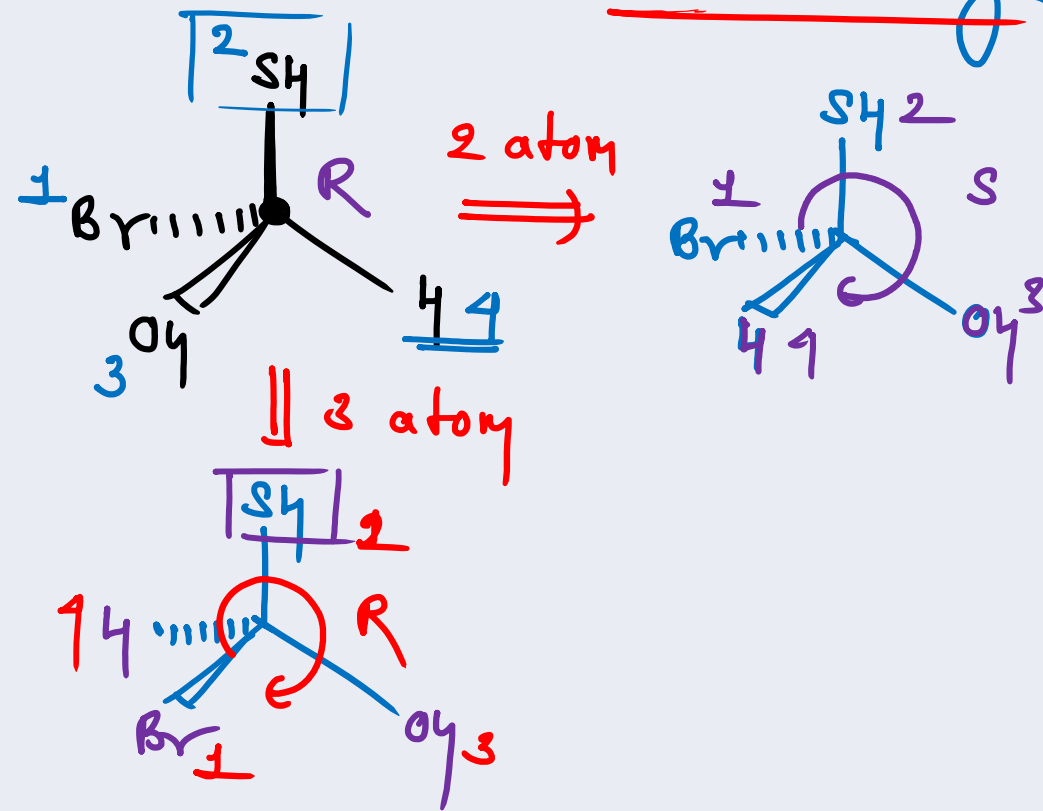
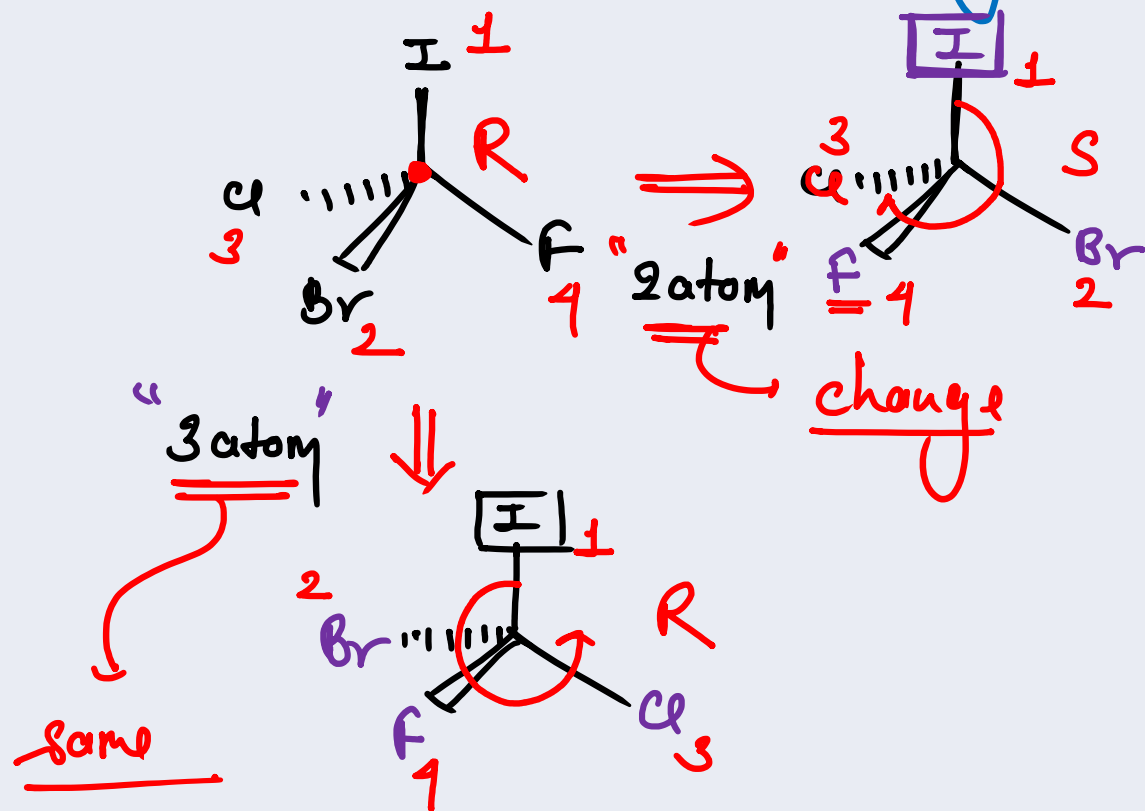
Wedge-dash form

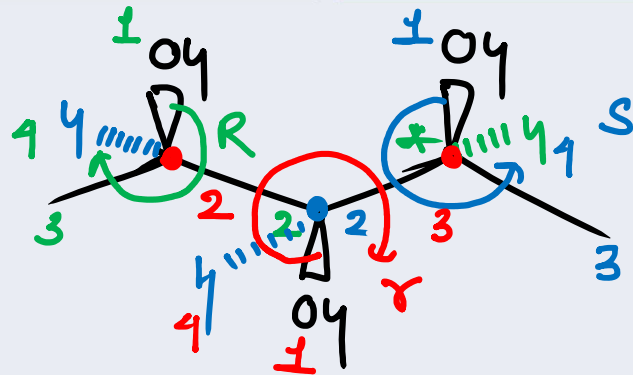
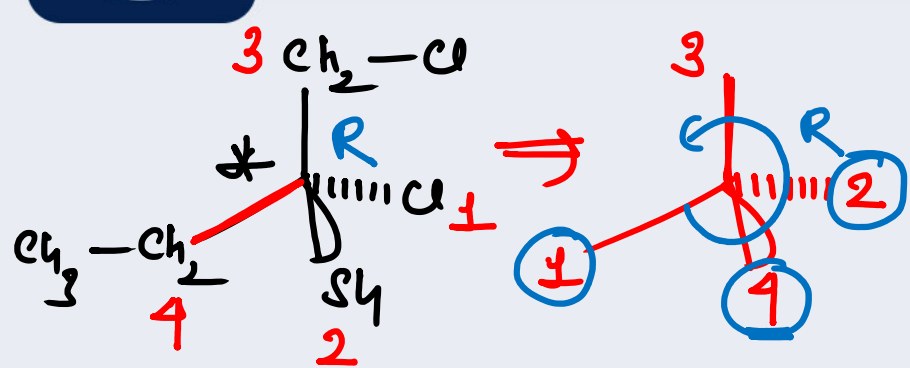
Rule ① - If 4th priority is on  (dash) then  R  S
If 4th priority is on  (wedge) then  S  R



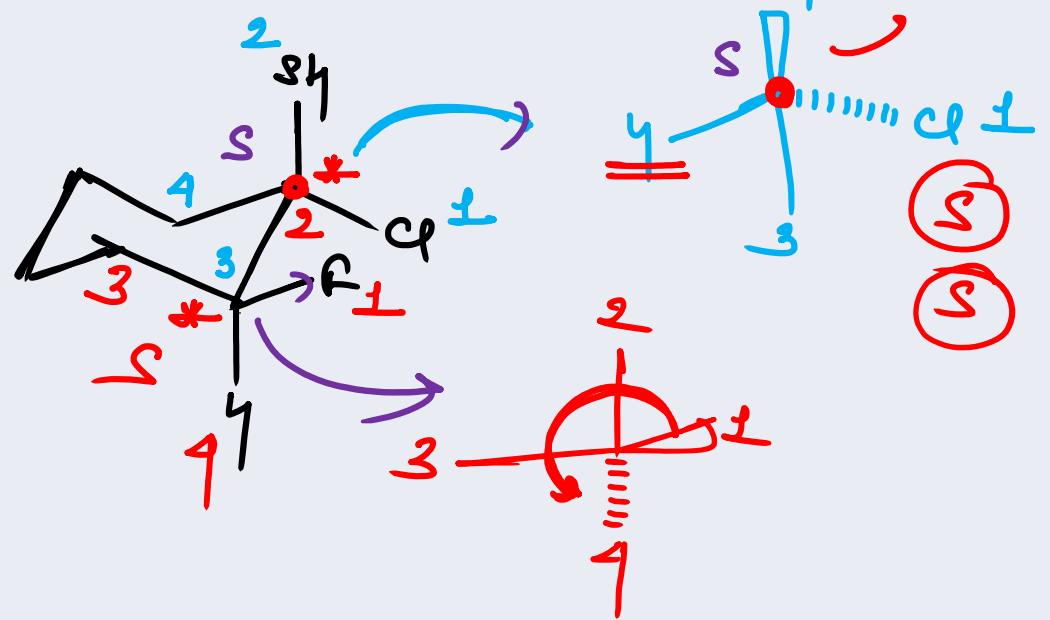
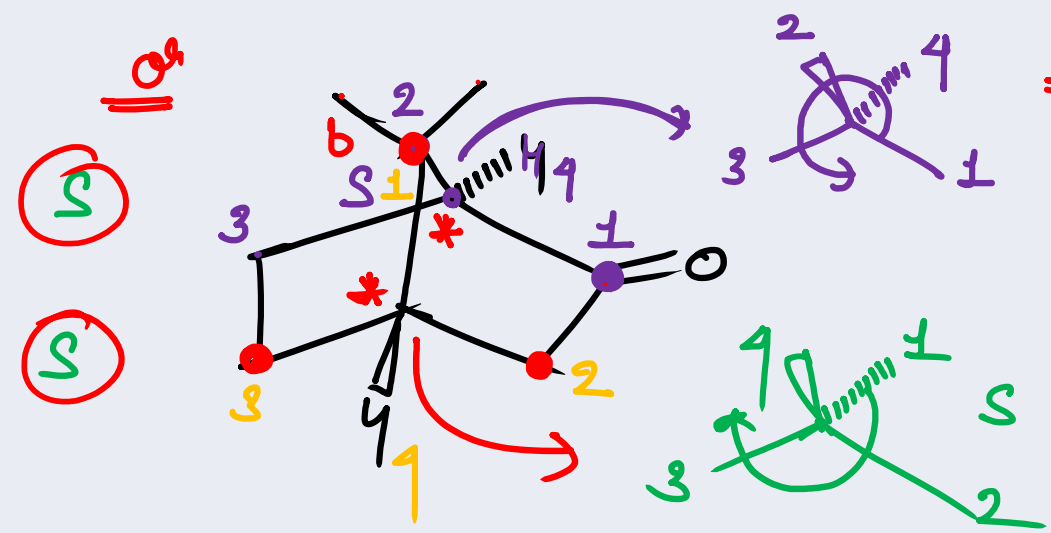


Rule (ii) When 4th priority is in plane then we need to do interchanges.





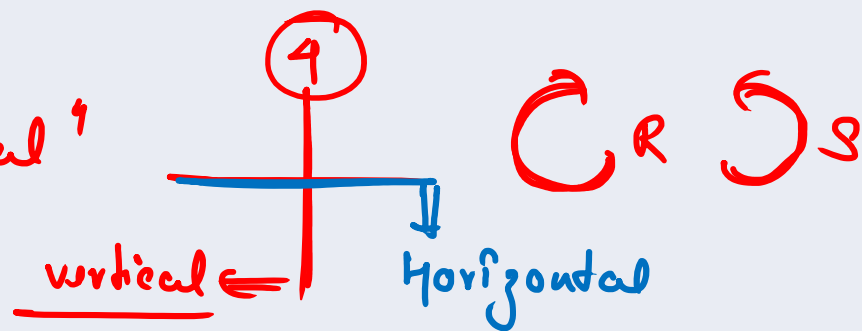
RrS



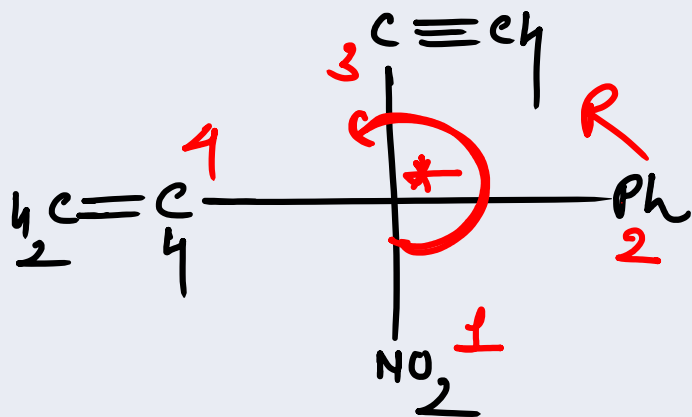
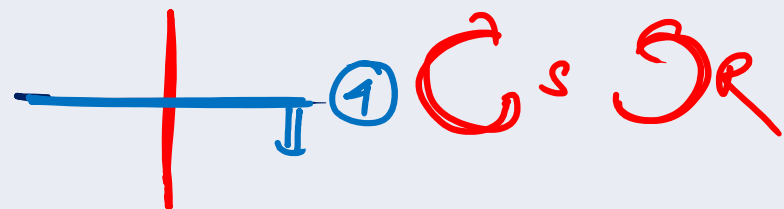


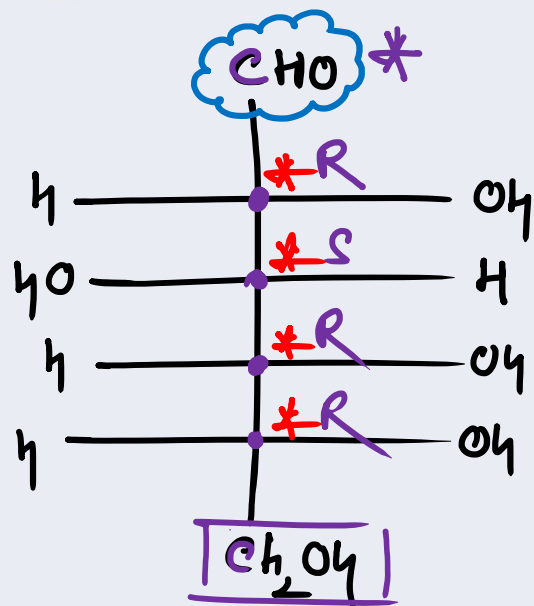
② Fischer Projection

Rule ① $\Rightarrow$ 1st Priority "vertical"



1st Priority "Horizontal"





(Glucose)

Trick

- * 1) Most oxidised group should be on top.
- * 2) Max. no. of carbons should be on vertical chain

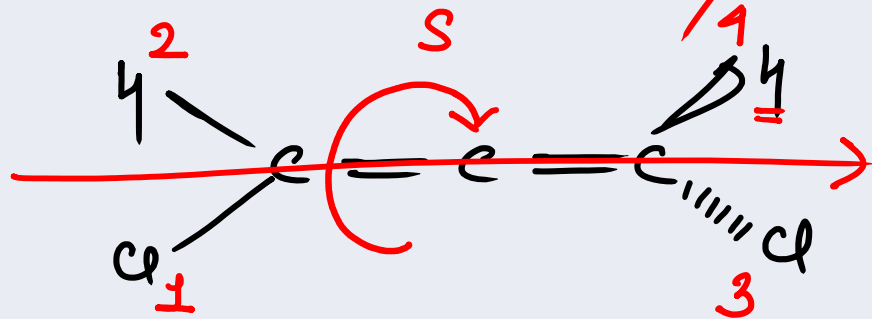
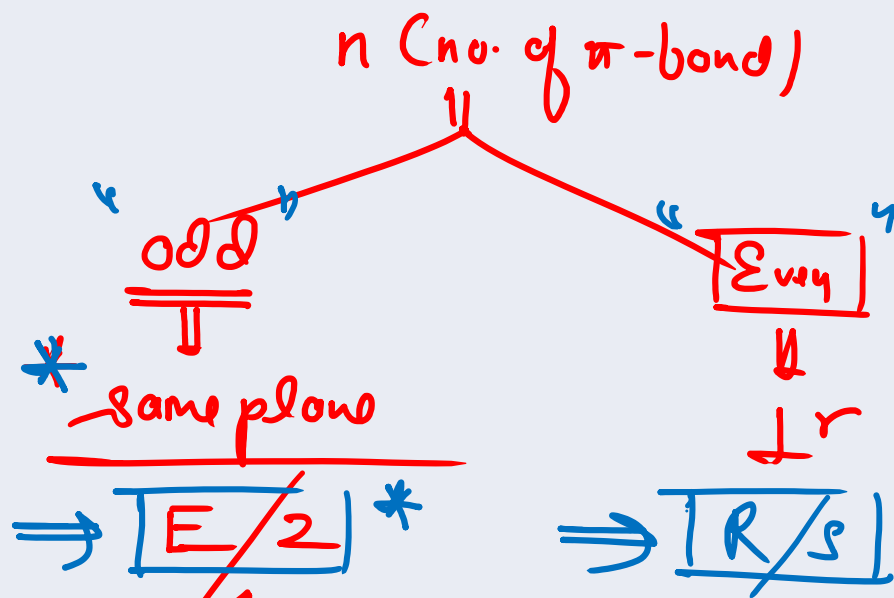
Right (OH) R

(OH) - (Left) S

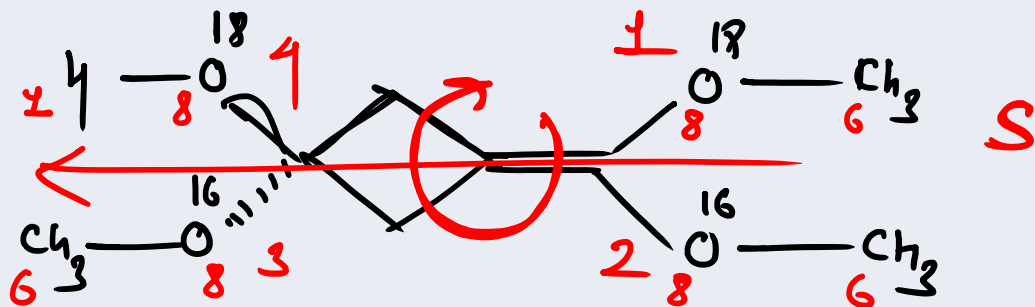
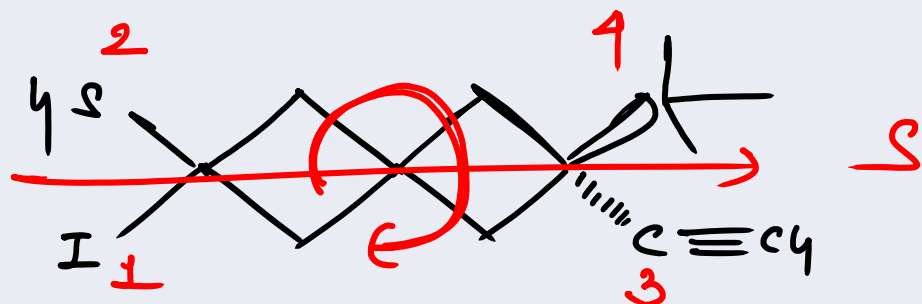
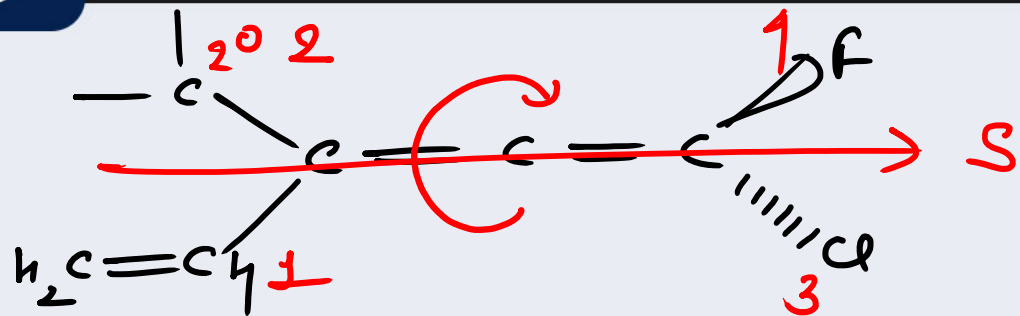


② Chiral axis*

"Allenes"

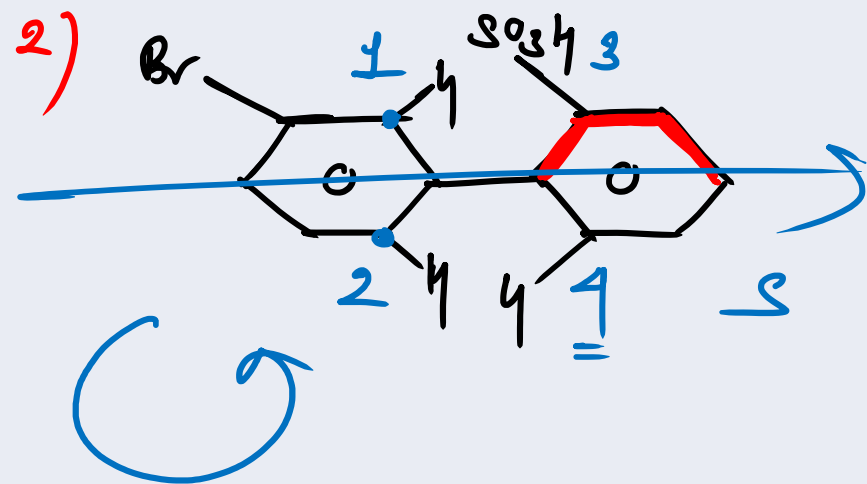
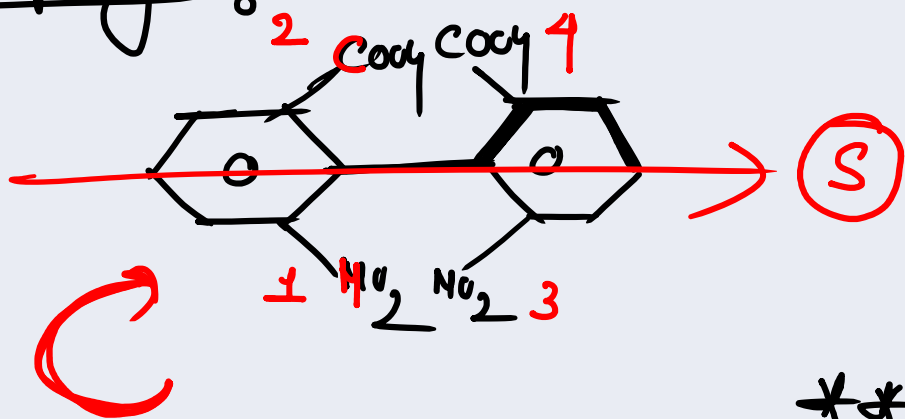


- 1) Draw chiral axis from planar side to non-planar side
- 2) 1st give priority on planar side.

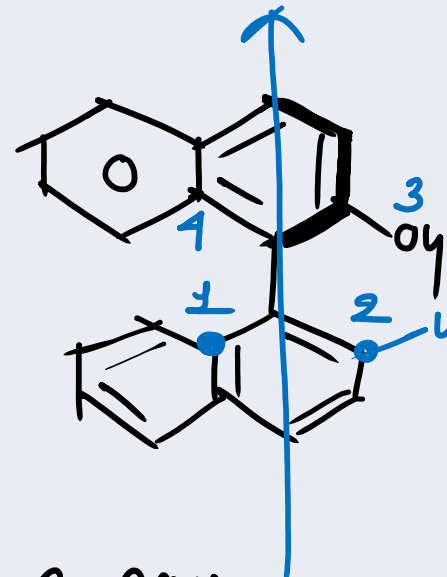




Biphenyls

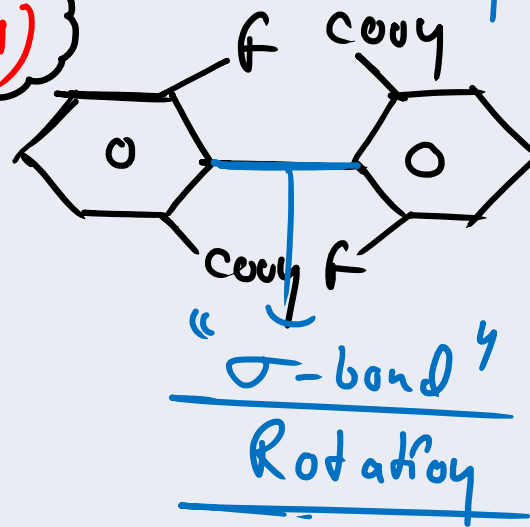


3)

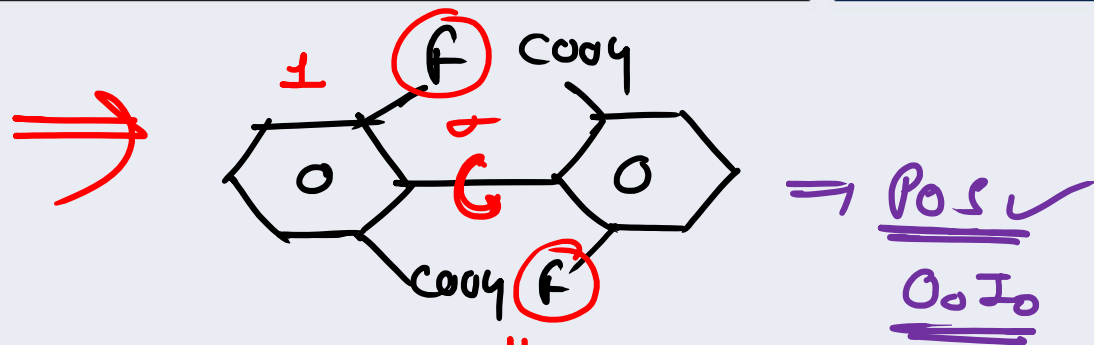


S*

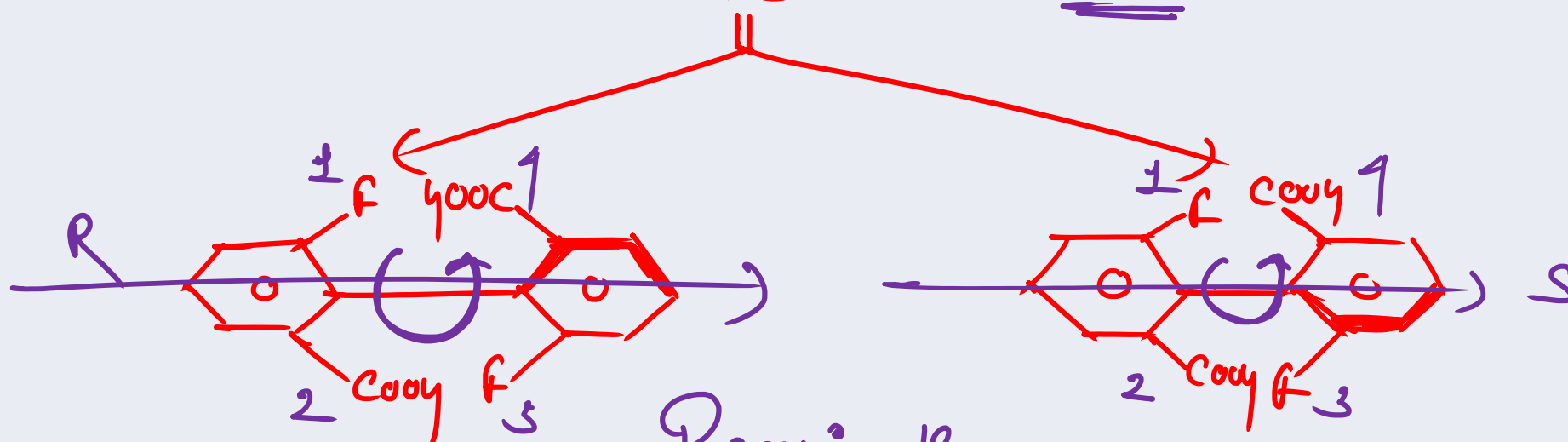
4)



"σ-bond"
Rotation



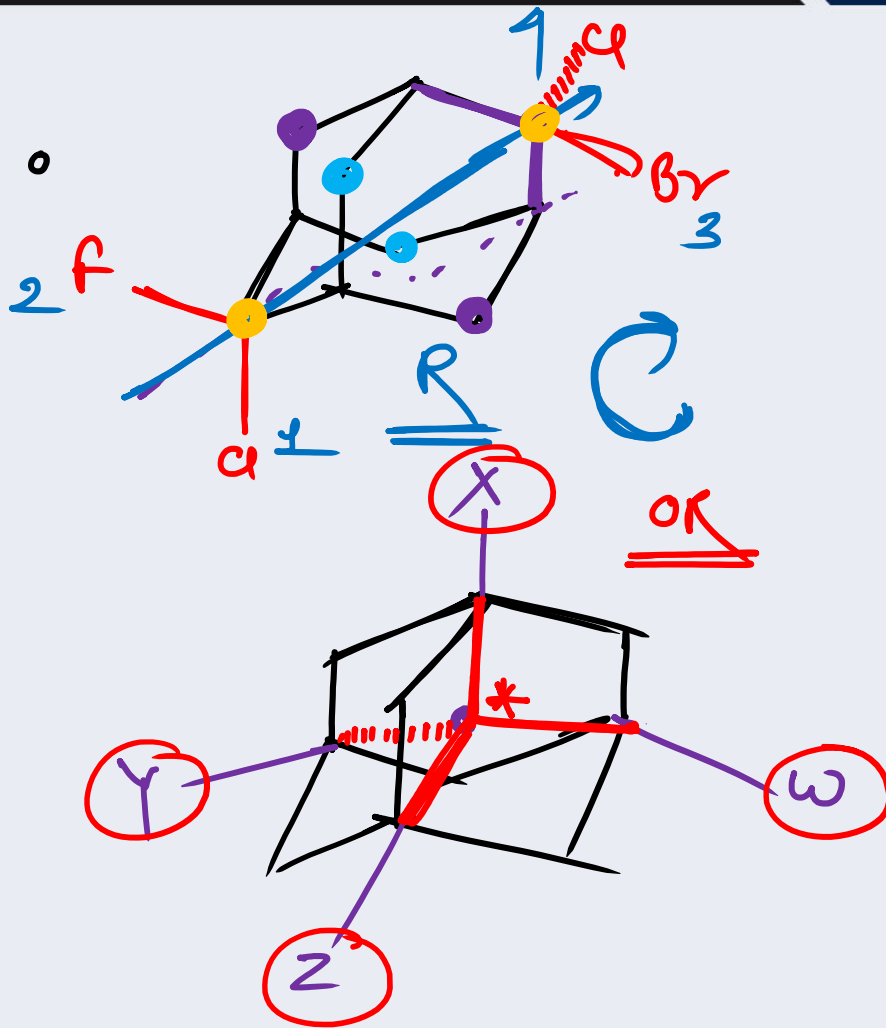
"R = S"
 $\Downarrow$
Racemic mix
||
[OoIo]



"Io-Io Rotation" $\Rightarrow$ OoIo

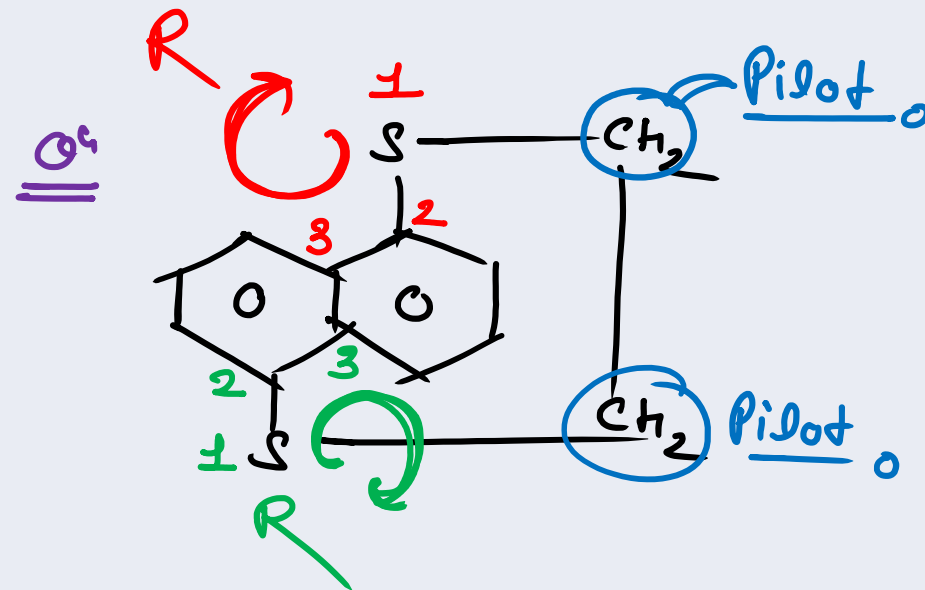
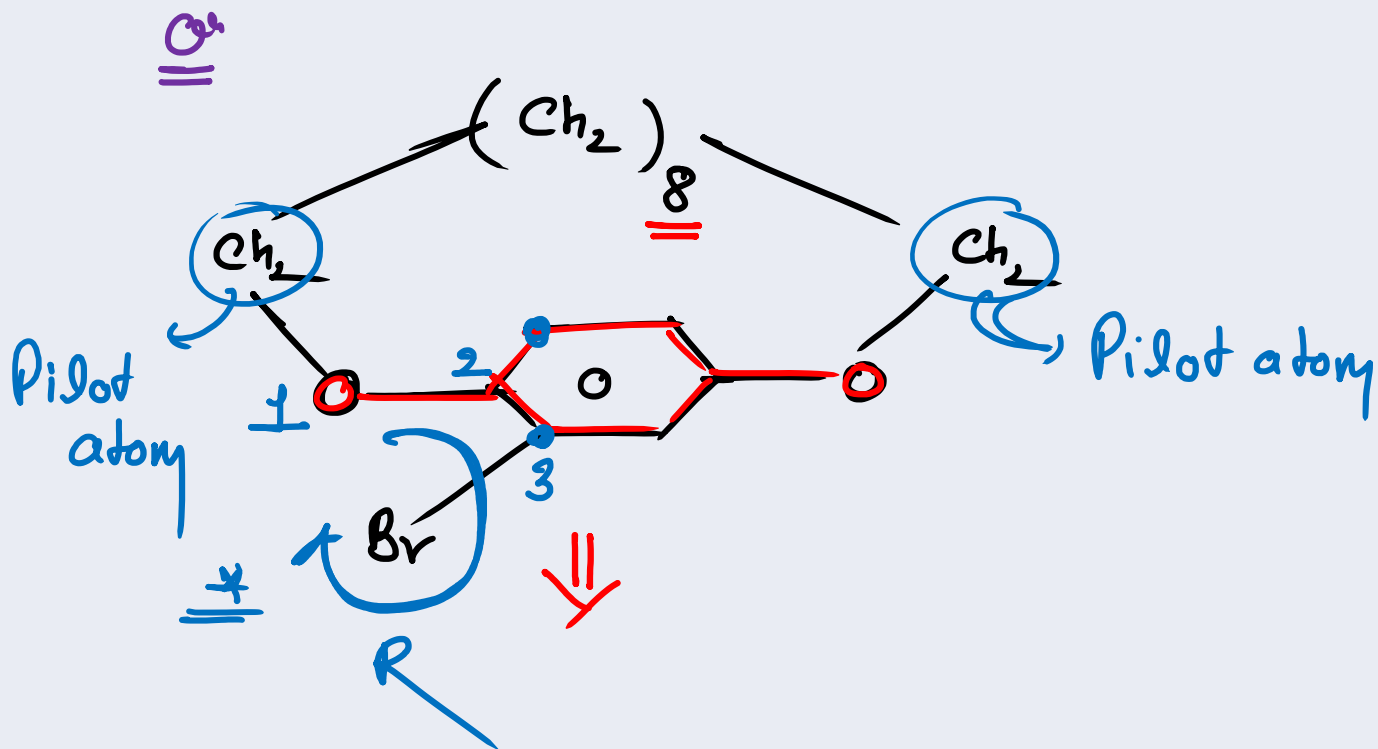


Admantane





Ansa compounds "R/S"





Alkene *

