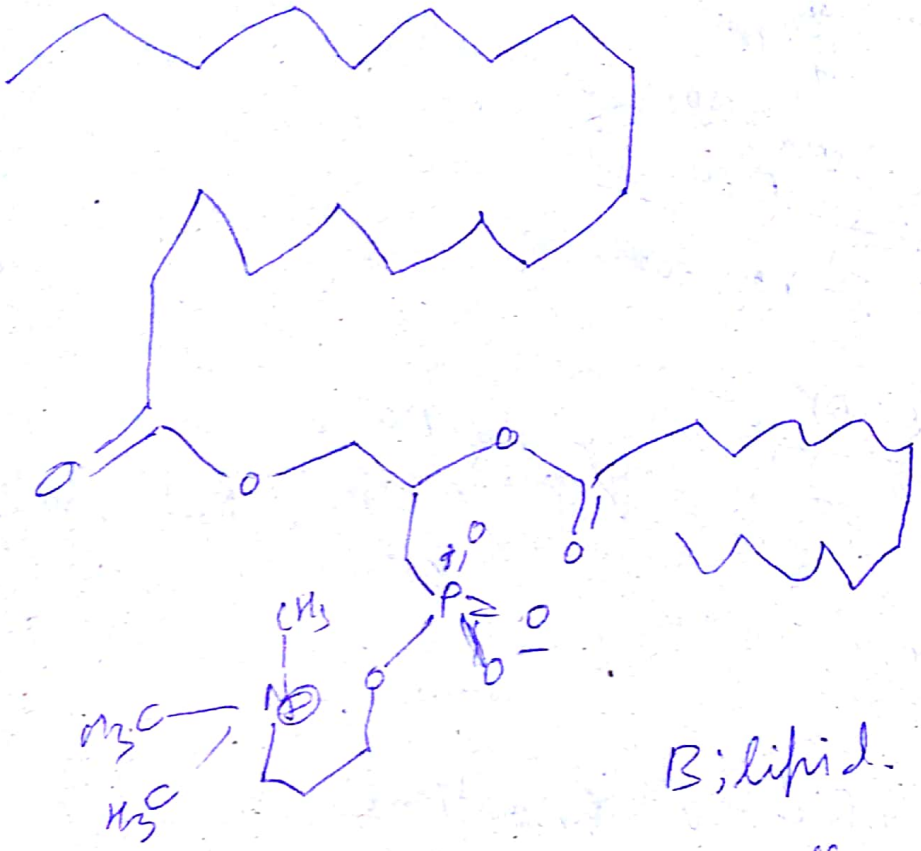
AFTER MID I

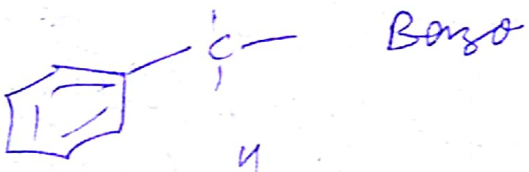
A-B-A

- Nomenclature.

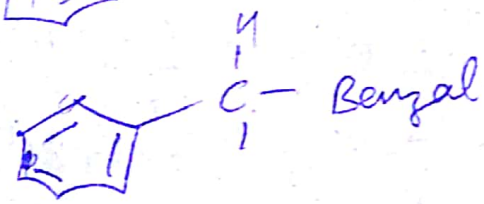
$-SO_3H$ > $-COOH$, $-C\equiv N$, ——



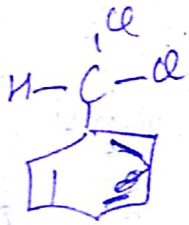
B; lipid.



Benzo



Benzal

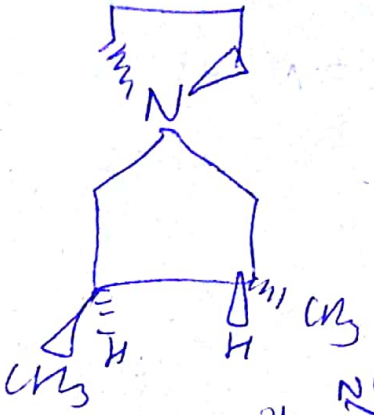


Benzal dichloride

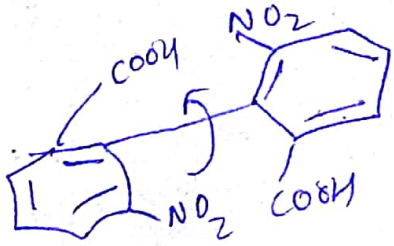
Cis Achiral.

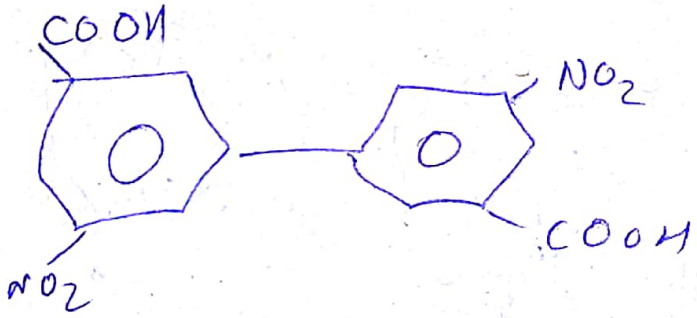
Plane of symmetry

$(C_n\sigma)$ S_n.



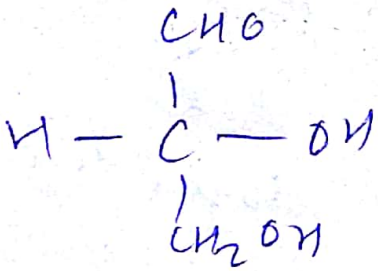
C_3 axis in cube methane.



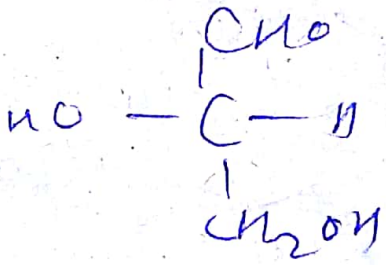


Not chiral.

Fischer, R & S, Enantiomers.



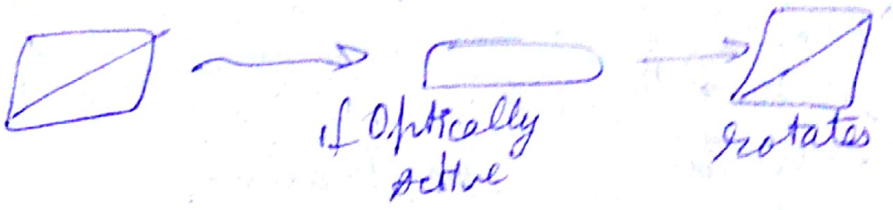
D glyceraldehyde.



L

• Resolution racemic mixture.

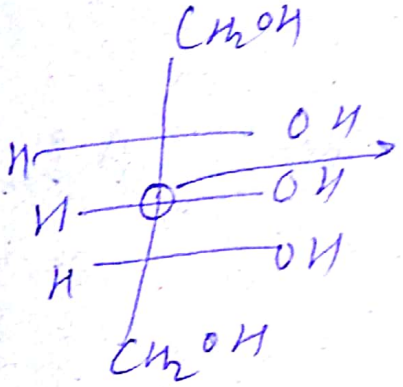
Nicole Prism



Cohn Ingold Prelog (CIP)

ACW ⇒ S

CW ⇒ R



(8) stereoisomers.

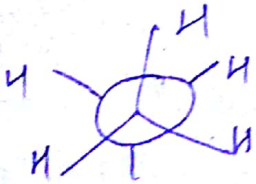
+ −
+ −
+ −

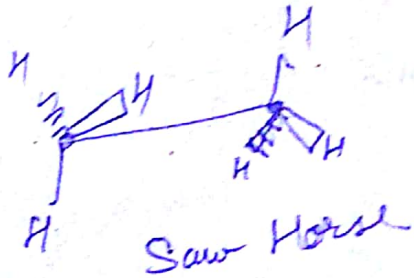
− +
+ −
+ −

− +
− +
+ −

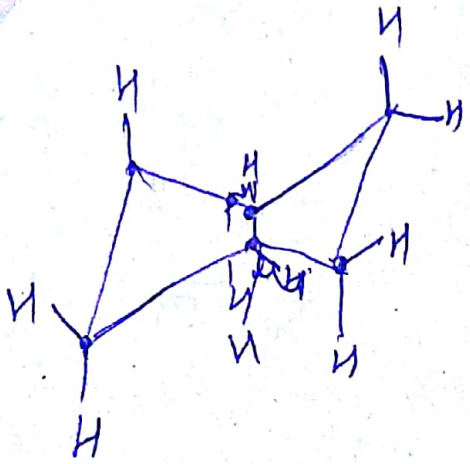
+ −
− +
+ −

Newman

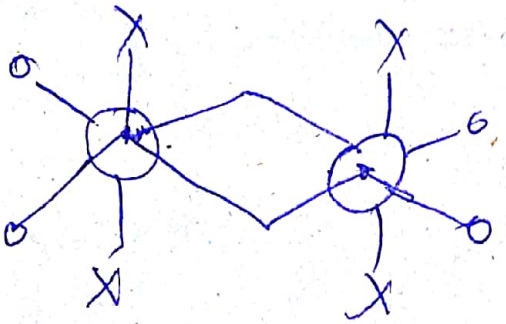




• Re / Si Face.



Cis Trans.



D Ribose D Arabinose D Xylose D Lyxose

Glucose	Manose
+	—
—	—
+	+
+	+

• Mutarotation

Bond Energies.

ATP hydrolysed to AMP

β-D glucose → cellulose

α-D glucopyranose (1→4 linkage starch

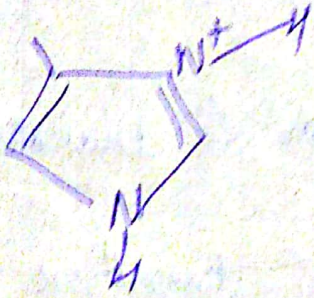
Ionic Eqm

- 10^{-8} M HCl → 1
- 10^{-4} M HCl

$Na^+ + \bar{O}H + H_2O \rightleftharpoons Na^+ + HA + OH$

Buffers

- $NaHCO_3$
- (NH_4Cl & NH_3)



Catalytic centre.

Aspartate
Glutamate

Levanthal's Paradox

ϕ, ψ rotation.

- 3 donors & accepts for both A, G
- Donors & Acceptors.
- RNA transcriptase, Promoter is to be activated.

mRNA goes to ribosome,

- BDNA Width of grove sufficient to add alpha helix.

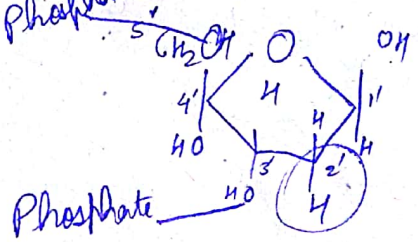
(B-DNA → tall & thin. A-DNA (rise per bp is less) → short & fat

RNA is rarely double hellical.

- Intra base pairs parameters.

6 angles → α, β, γ, ε, δ, zeta

χ → Kai angle b/w Base pair & Nucleotide.



β – 2' – deoxyribose

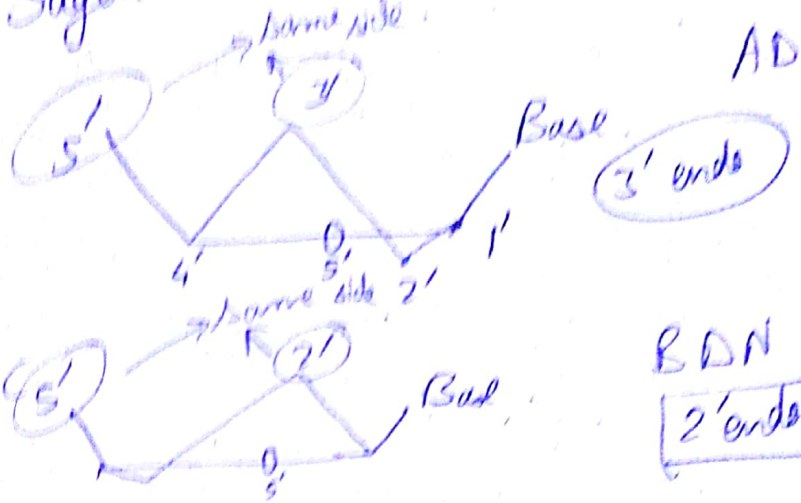
Uracil ⇌ Cytosine (Mutated) - Thiamine ⇌ Methyl Cytosine (Killed so no mutations take place.)

RNA

Phosphodiester bond (Intramolecular)
RNAse breaks it.
→ Non protein coding RNA.

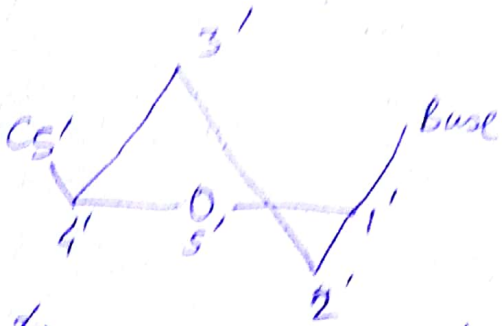
RNA performs both types of functions:
t RNA (Non coding RNA).

Sugar Pucker Conformations.



ADNA
3' ends

BDNA
2' ends



3'-ends, 2'-exo.

5' 3'
3' 5' Anti parallel (RNA).

Trans/Cis base pairing

P site?
A site?

Find gene from given DNA.