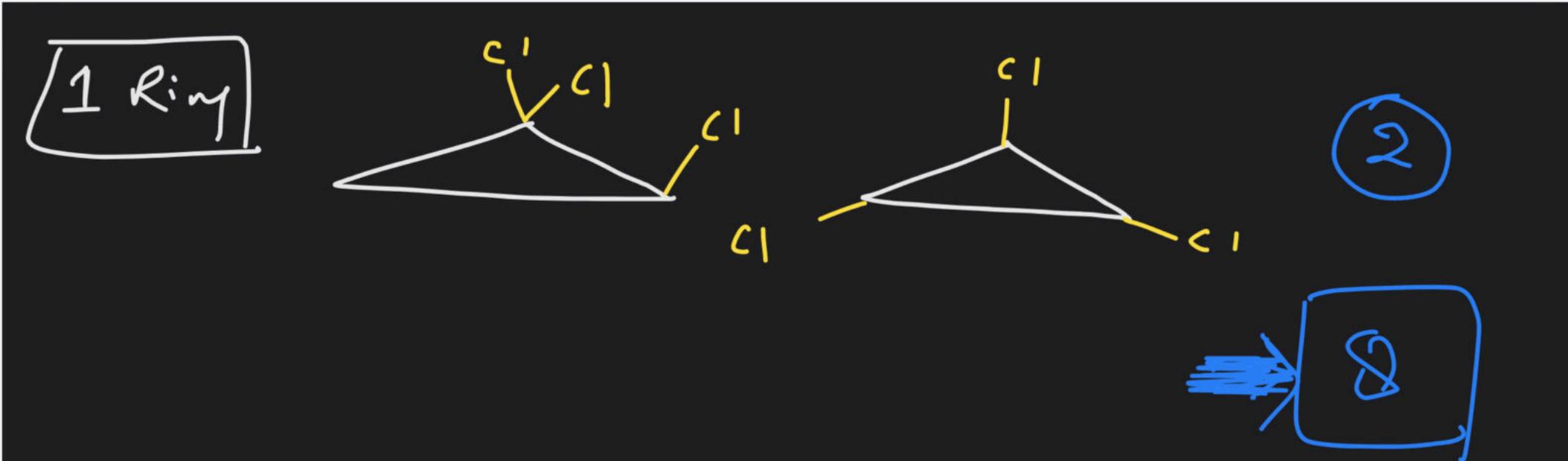


Course on Nomenclature of Organic Compounds for Class XI

HW (discussion) (A) 1 (B) 2 (C) 3 (D) 4 (F) (13) C346 C1BY (IND=0) (15) (2 My (12) (IMD=0)

(17) 
$$C_3N_2C_{16}$$
  $C_3H_6C_{12}$   $(TMD=0)$   $(A)$   $(B)$   $(C)$   $(C)$   $(D)$   $($ 



## Homologous Servies

=> A series of Compounds having some chemical properties but diff. Physical properties is known as Homologus Series.

Mote (1) Members of Series are known as Homologus

(ii) Each member must have some furtional group.

(iii) Each member of 4.5 must have some G.F.

(iv) difference of che (14gm) b/w two Convaire Momologus.

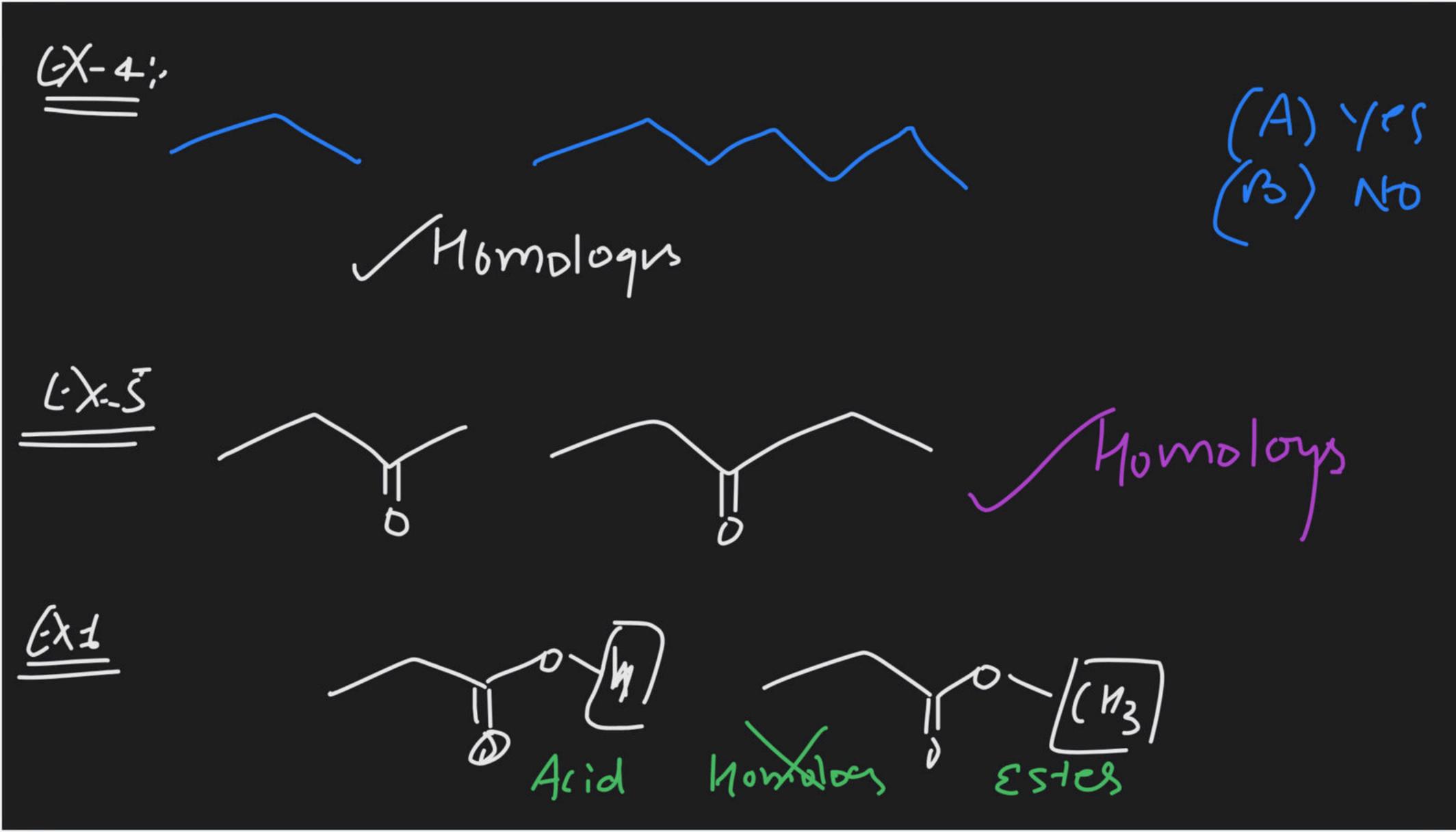
(V) Phisial properties like BP, mp, dosity, solubility varied gradually.

Ex. Alkane 4. Series Acid H-series Allohal H. Strick CM CZ MG C13-04+ H-6004 C13-c2-09/ My-wy cm G cm -uz -uz-on: (3 MB) ans -az-coon (4 M10 (x-1:
(ketone)

(ketone)

(Aldemor)

(Alde primmy sec-Amine phenol Alud homologue normalegre Phenol Aludul (A) (B) Homologue X



# Classification of Organic Compounds

Open-chain Compound Acyclic Compound Saturated Momo cyclic

Aliphatic

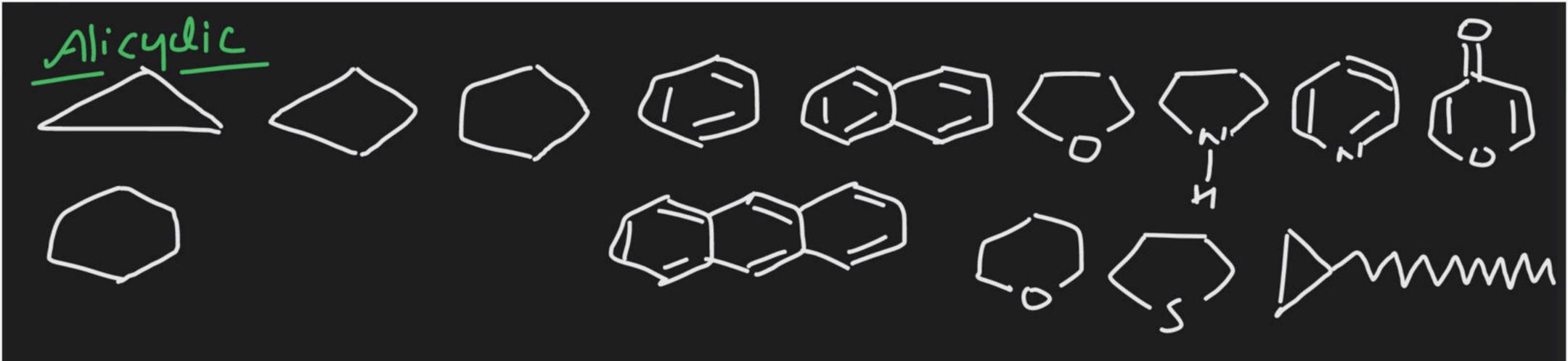
Cyclic Compound Closed chain Compound

Anomatic

Aliphatic Anomatic

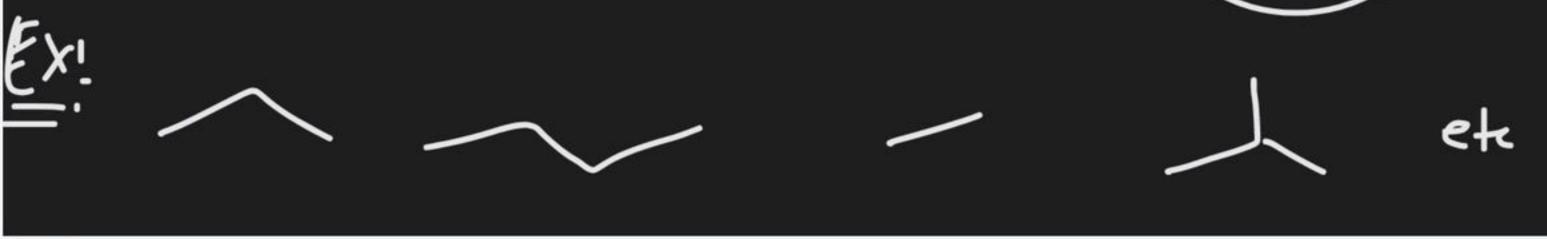
He tro cyllic

(1) Open chain/ Acyclic Compond => Compounds having no any Cyclic Segment au known as open/Agylic Compounds (Aliphabic) (2) Cyclic/Closed chain Compound => Compounds having at least one cyclic Compard. Segment is known as Cyllic/closed Chain



Saturated Compound

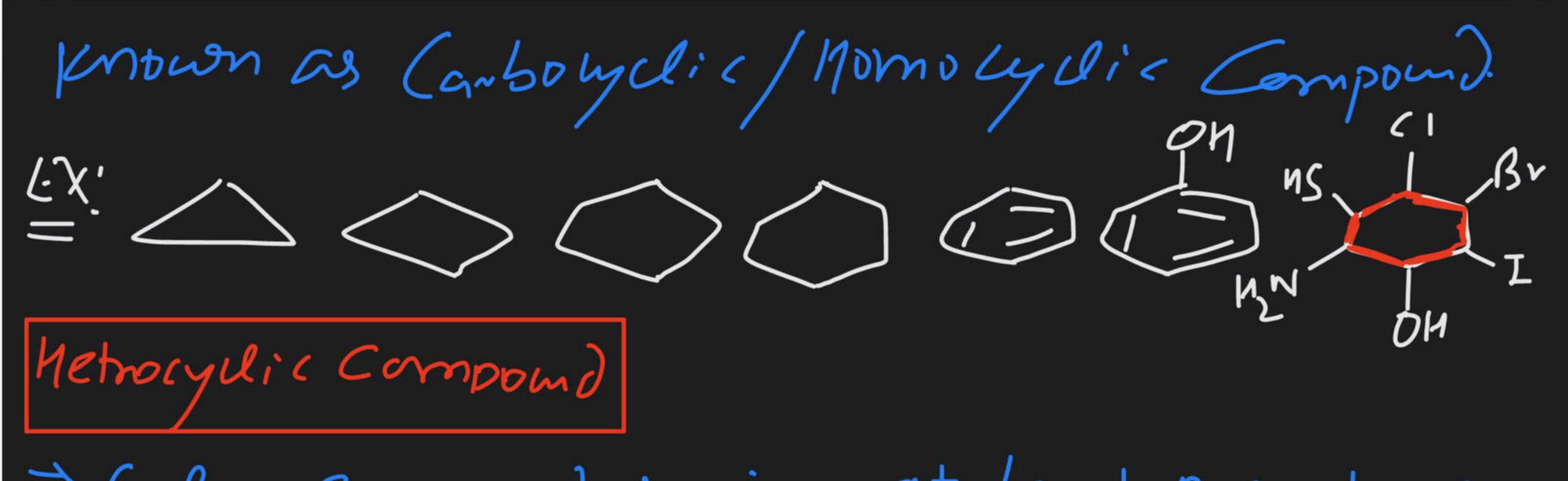
=) Compounds having all sigma bonds/which shows subs--tillion Reaction.



C=c(+X-Y-->) C=c(Addition)
Reaction,

=) Carboylic/110mocyclic Compound:

=> Cyclic Compound having only Carbon in Cyclic Sepment (Carbon ving Only que

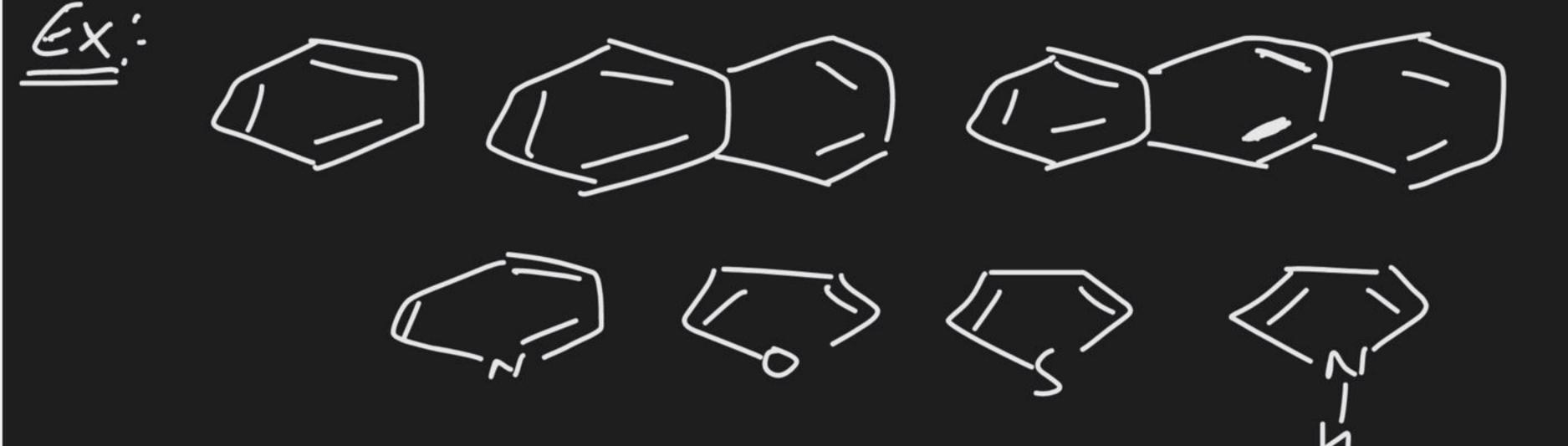


> Cyclic Compounds having at least one atom other than Carbon in Ring segment are known as Metrocyclic Compounds.

 $\underline{EX}$ : C , C

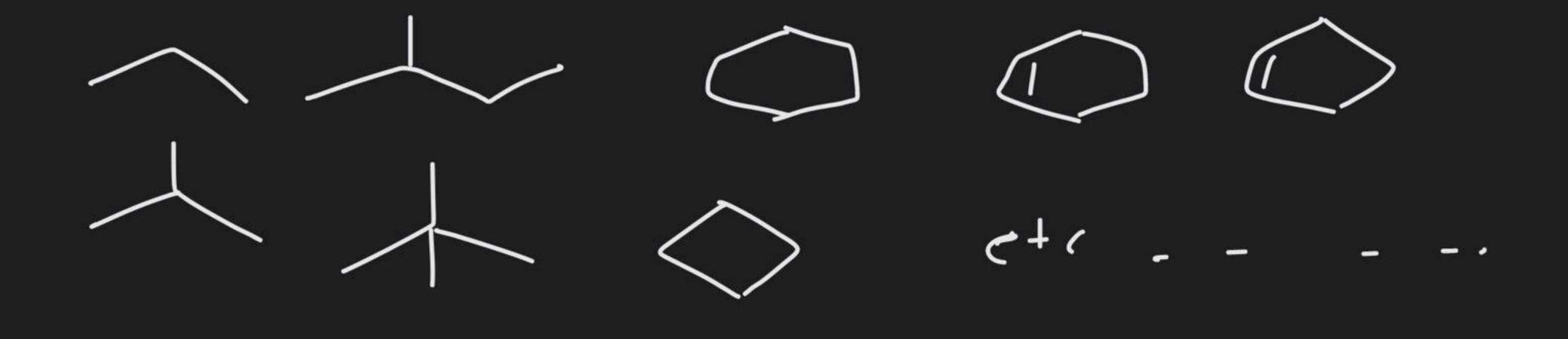
# Anomatic Compound:

=> Compounds obtained on Fractional distillation of Coaltar having chareshic aroma are known as Aromatic Compounds



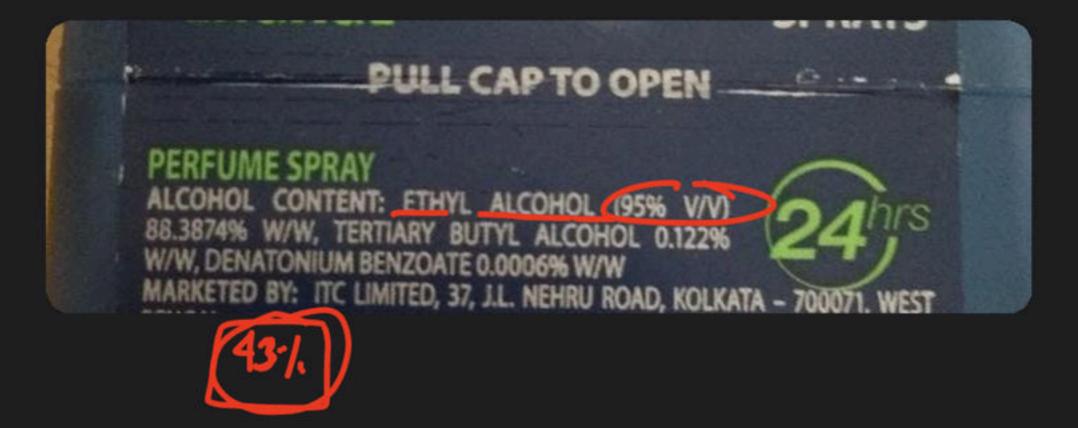
### Aliphatic Compound.

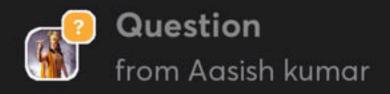
=> Compouls which are not Anomatic are Known as Aliphatic Compounds

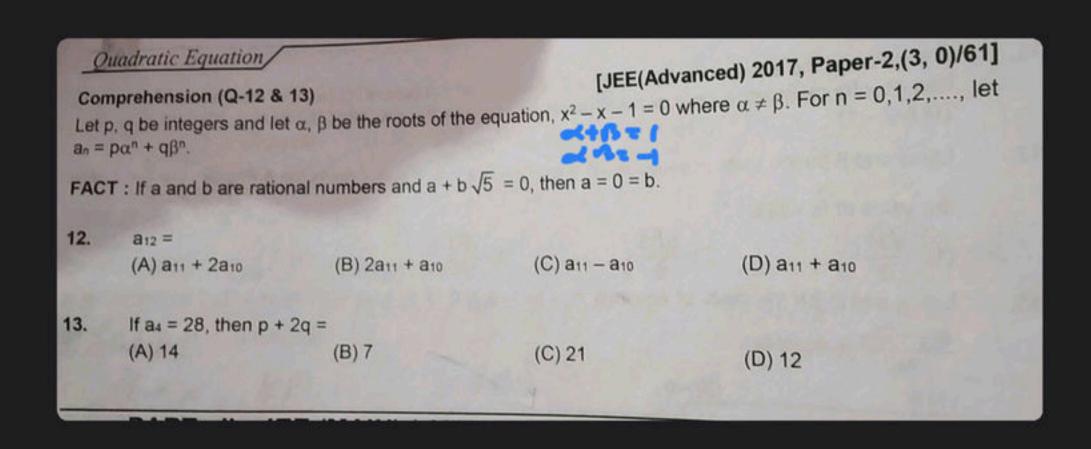




Ethyl Alcohol itni jyaada maatra mein..

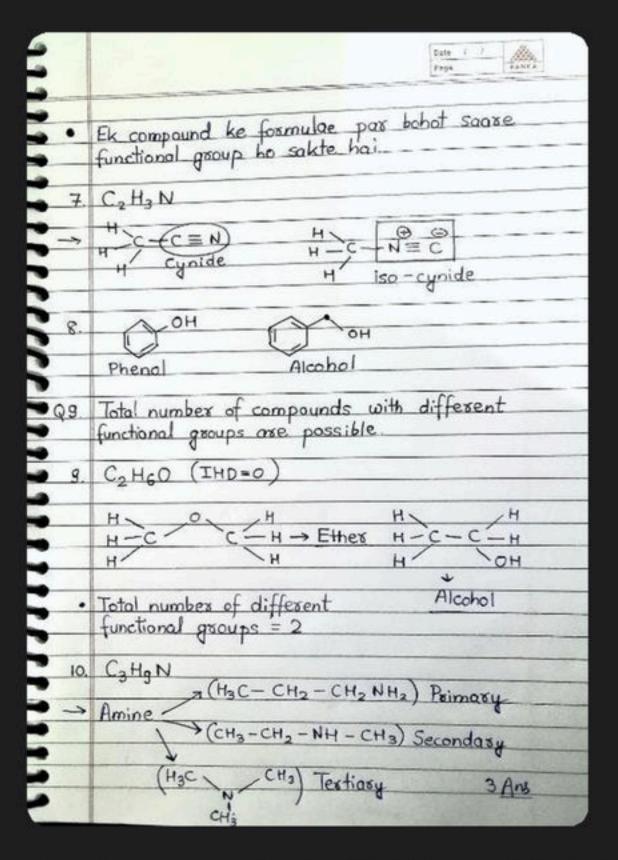




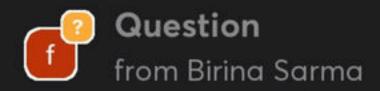




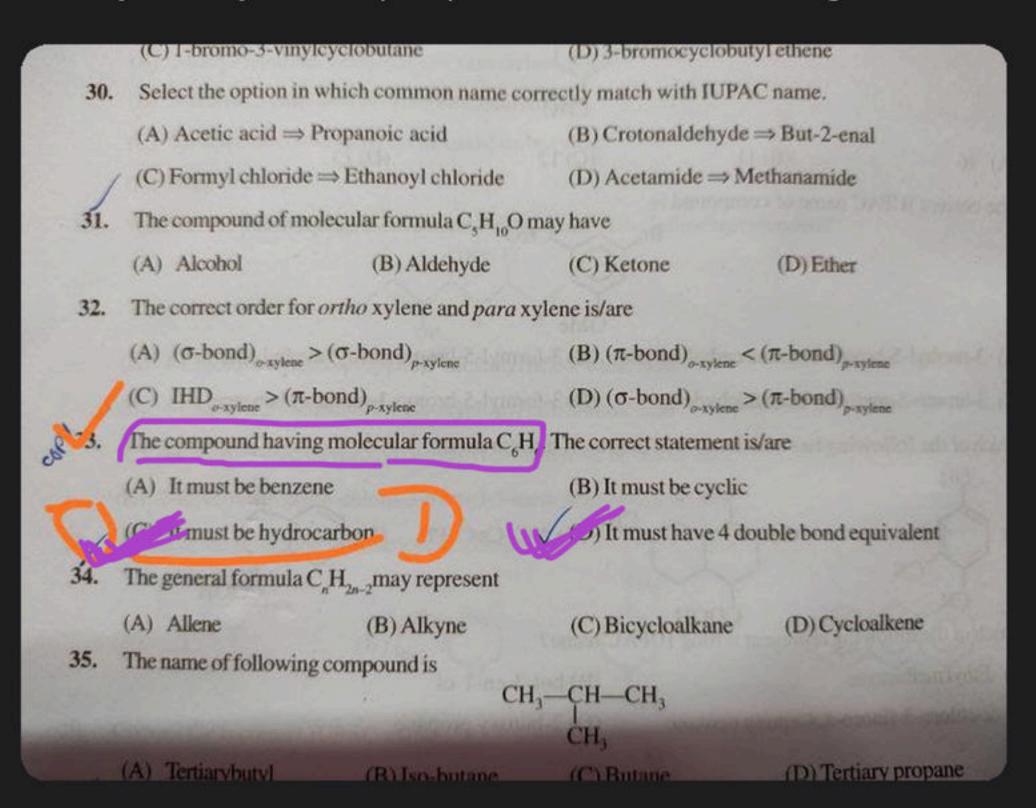
### Sir.. My notes



<sup>\*</sup>Disclaimer: The content is provided by the Learner and is reproduced 'As Is' and Unacademy disclaims any and all liabilities with regards to the content



#### Sir mujhe samjh nhi aaya hydrocarbon kaise nhi hoga



MW Sheat Updak ( & - Ho - - -Chapter-10 14, 19, 28, 37, 47, 50, 74 77, 03, 86, 87, 88, 20, 91,96 97, 90, 99, 105, 106, 109 109,110,112,113,115 117,110,119,120,121 122 123 , 124, 1251





