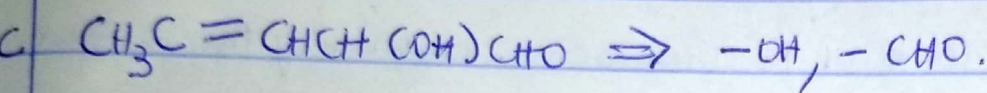
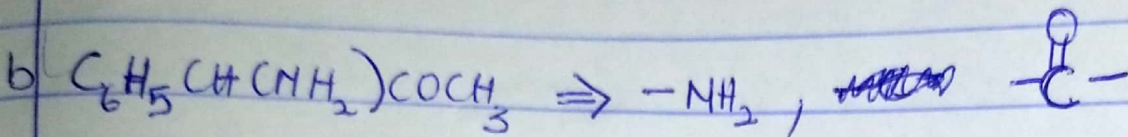
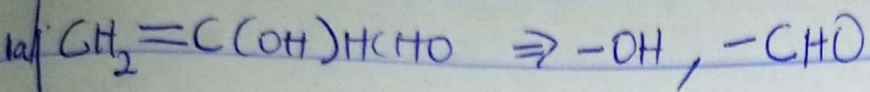


NAME: BOLA-MATANI AJIBOLA HASIAT

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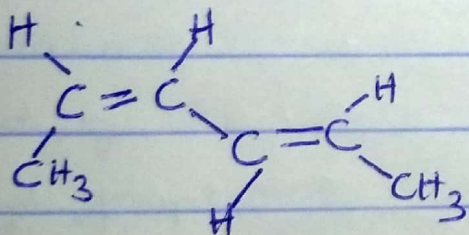


Specific rotation = $\frac{\text{observed rotation (degrees)}}{\text{concentration (g/cm}^3) \times \text{path length of sample cell (dm)}}$

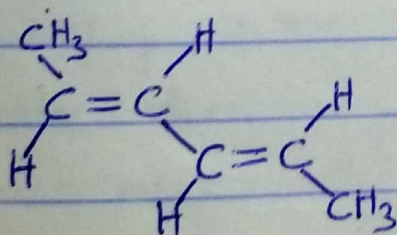
∴ specific rotation of the sample = $\frac{1}{(0.856/10) \times (1 \text{ dm})}$

~~$= \frac{1}{0.0856 \text{ g/cm}^3 \times 1 \text{ dm}}$~~
 $= 11.68^\circ \text{g}^{-1} \text{cm}^3 \text{dm}^{-1}$

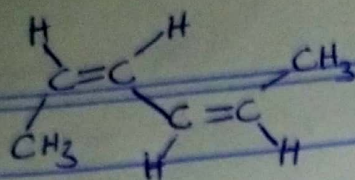
Hexa-2,4-diene



cis,trans-hexa-2,4-diene

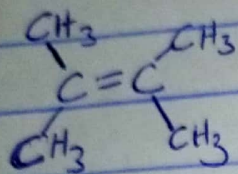


trans,trans-hexa-2,4-diene



cis,cis-hexa-2,4-diene

ii ~~2,3~~ 2,3-Dimethylbut-2-ene



This compound does not have geometrical isomers because there are two identical groups attached to the same carbon of the double bond.