

Homologous function Etyapeya

MDB

19/11/2017/173

Assignment on Stereochemistry and Functional group

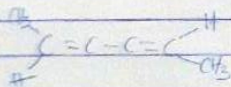
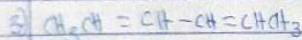
- 1) $\text{CH}_3\text{C}(\text{OH})\text{HCH}_2\text{O}$ - a) CHO - Aldehyde
 b) OH - Alcohol
- 2) $\text{C}_6\text{H}_5\text{CH}(\text{NH}_2)\text{COCH}_3$ - a) NH_2 - amine
 b) CO - Ketone
- 3) $\text{CH}_3\text{C}=\text{CHCH}(\text{OH})\text{CH}_3$ - a) CHO - Aldehyde
 b) OH - Alcohol/Alkanol
- 4) Concentration in $\text{g/cm}^3 = 0.0856 \text{g/cm}^3$

Specific rotation = $\frac{\text{Observed rotation (in degrees)}}{(\text{conc. g/cm}^3) \times \text{path length of sample in dm}}$

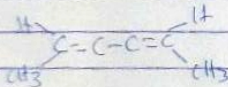
= +1.0

$10.0856 \text{g/cm}^3 (1 \text{dm})$

Specific rotation = $11.68 \frac{\text{g cm}^3}{\text{g dm}}$



trans-Hept-3,4-diene



cis-Hept-3,4-diene

