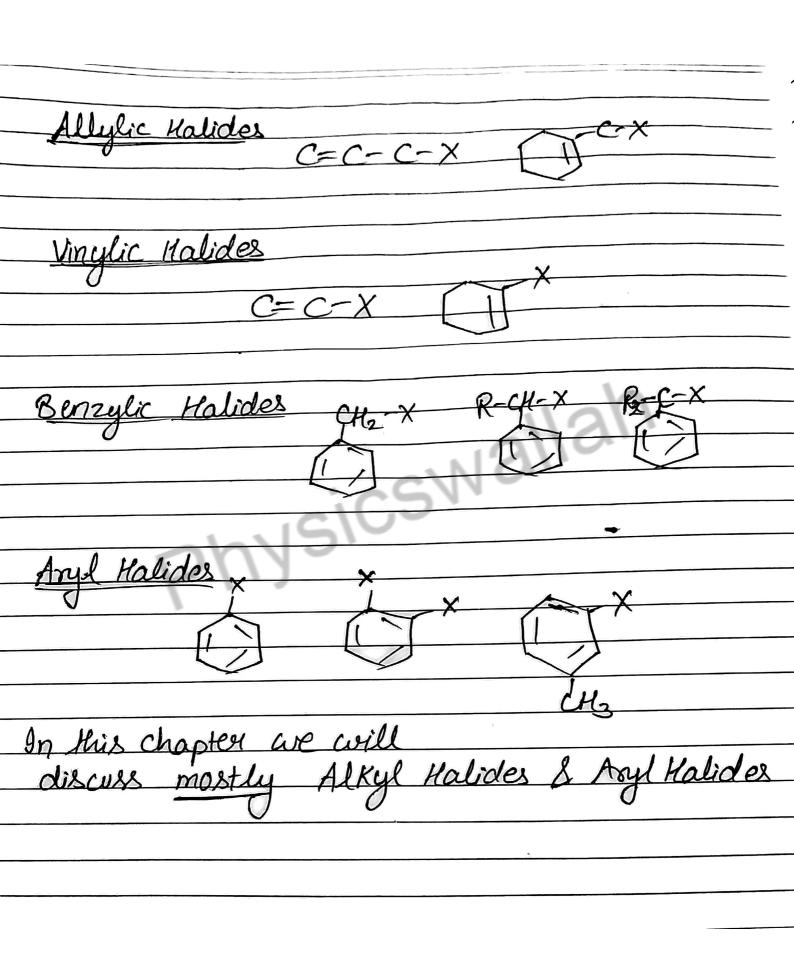
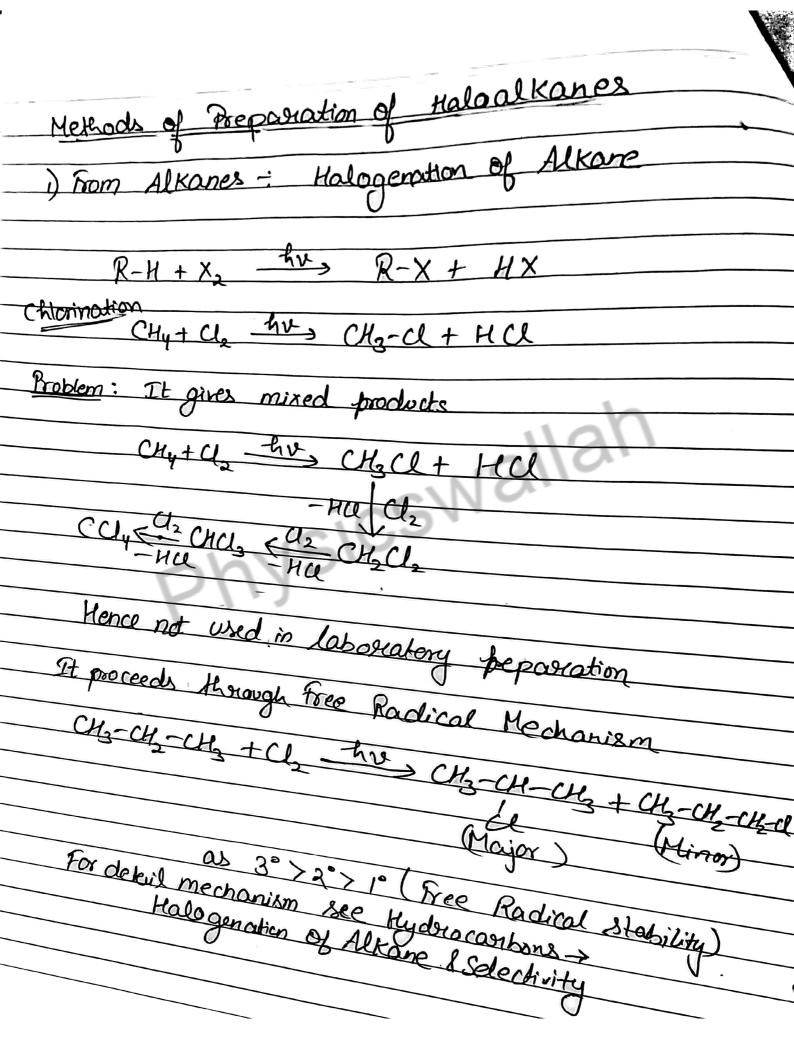
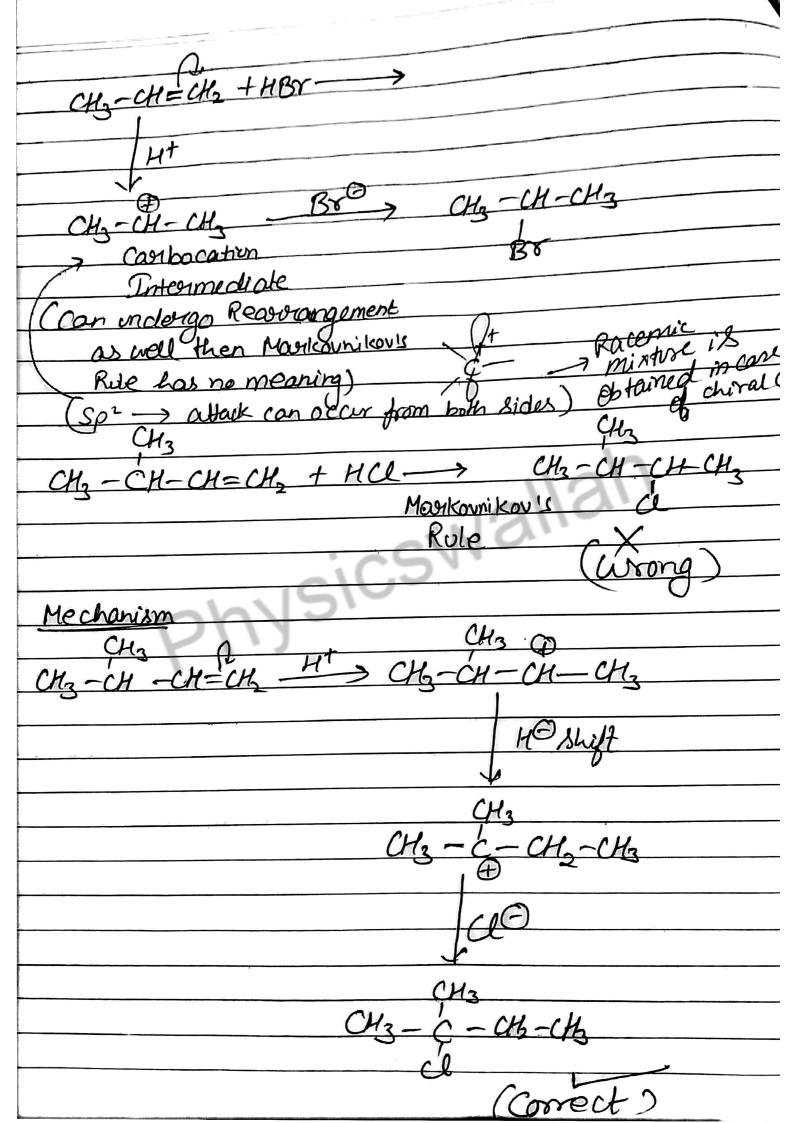
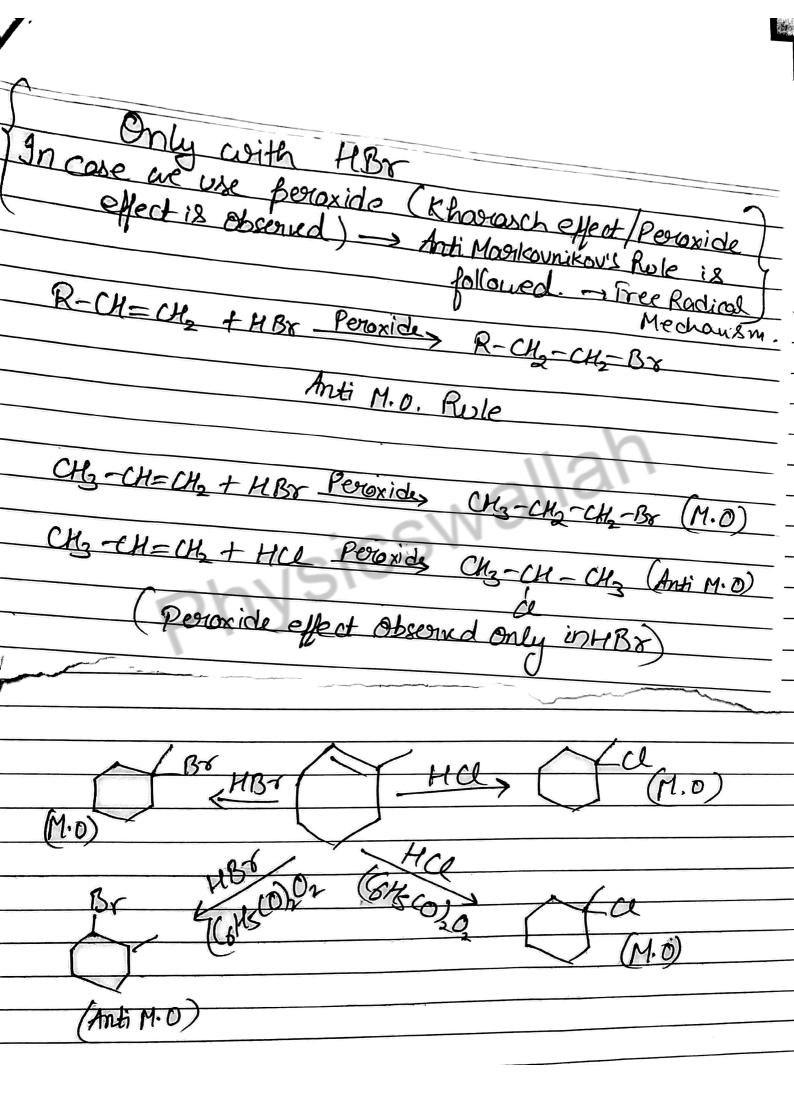
Haloalkanes and Haloanenes.
Maloalkanes and name
1110008 -H Halo Alkones
Alkones $\frac{-H}{+X}$ Halo Alkones where $X = F, Cl, Br, T$
R-X
K-H +X
Monohaloalkanes: Alkyl Kalides CnH2n+1X
Monohalo alkaries + > 1
R. R.
$\frac{R-CH_2-X}{R}=\frac{R}{R}=\frac{CH-X}{R}=\frac{R}{R}=\frac{C-X}{R}$
R 2° R 3
Primary Pertiary
secondary (entary
12//0
Dihaloalkones:
1/2000/
Greminal Vicinal
X X
C-C
Tritalo Alkanes: - Haloforms
THOUGHAILIANS: HOLDING
CHO CHOC CHOC
CHCl3 CHB63 CHT3 Chloroform Bromoform Iodoform
CHCl3 CHB12 CHI3 Chloroform Bromoform Iodoform
Tetrahalo alkane
CU CBY4
Coupon Tetrochloride Canbon Tetrobromide
(asken /etrochlonde (asken)





Bromination Proceeds thoraugh some way
In can of Jodination -> It is seversible
geduling ogent & geduces
as HI bomed is a strong gedwing ogent & gedwies the altyl holide to alkane
$R-H+I_2 = R-I+HI$
To prevent Backward greaters, story unitaring
To prevent Backward yearton, strong oxidising Ogent such as Conc MND, or HID, over used
5HI+ HIO3 -> 3T2+ 3H50
Complete Mechanism & Make Overtions on Halogenation of Alkanes—Physics Wallah & Selectivity Physics wallah" under Class 11th Hydrocaribons.
of Alkane -> "Halogenation of Alkanes - Physics Wallah
& Selectivity Physicswallah"
under class lith Hydrocarbons.
V
(2) From Alkenes
R-CH=CH2 +HX> R-CH-CH3
×
Maukownikov's Addition
CH3-CH=CH2+HBY->CH3-CH-CH3
by
Actual Mechanism is Et Addition
•





Allylic substitution
CH3-CH=CH2 + X2 Reagons CH2-CH=CH2
CH3-CH= CH6-172
Reagants -: i) Halogens at high Temperature (400-600°C)
(400-600°C)
ii) NBS /hv High Temp/Keat
iii) SO ₂ Cl ₂
CH3-CH=CH2 SOO'C> CH3-CH=CH3
$CH_3-CH=CH_2 \xrightarrow{SOO'C} CH_3-CH=CH_2$
01011510
CH2-CH=CH2 Heat > CH2-CH=CH2
CH3-CH=CH2 NBS 1
38
Br
Heat
NBS
For detail Mechanism -> watch Allylic substitution plupicswallah!
of was couldn't
pay Gauce.