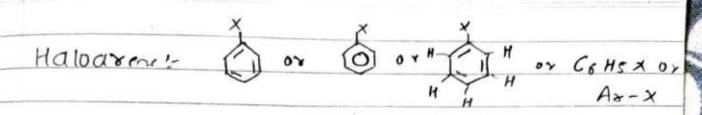
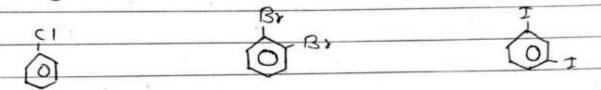
## Unit: Haloovene.



in which halogen atom is directly attach to carbon atom of aexomatic ring is called Acromal Halvarene.



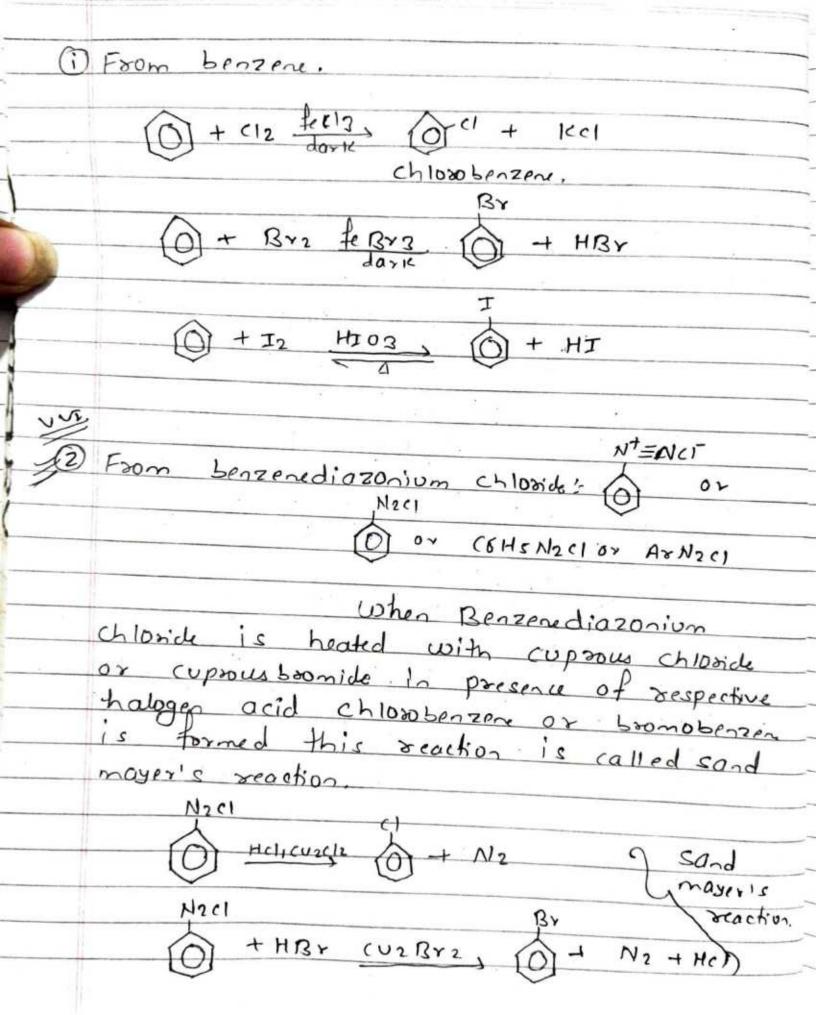
Chloso benzere 112-Di Bromobenzere. 113-Di-Iodoben 0-Di Bromobenzere, m-Di 11 11

6

114 - Dichlow benzene.

p - 11 11 11

\* General method of preparation of holoarme

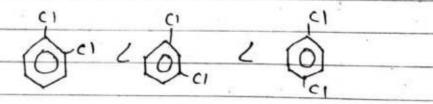


When Benzadiozonium chloride is heated with potassium iodide, iet iodo benzene is formed. O + KT D > O + KCI + N2 3 From silver salt & benzoic acid O COOA9 + C12 (S2) O + (02 + A31) Silvis benzoate Non-polar \* chemical properties of haloavere. 1) physical state:-Haloarenes are colouriese liquid with characteristics smell ii Boiling point:- Hawaren shows following order of their boiling point

## B.P Snorasing

Size of Halogen - atom: in creases, vander wall's for a of attraction also increases.

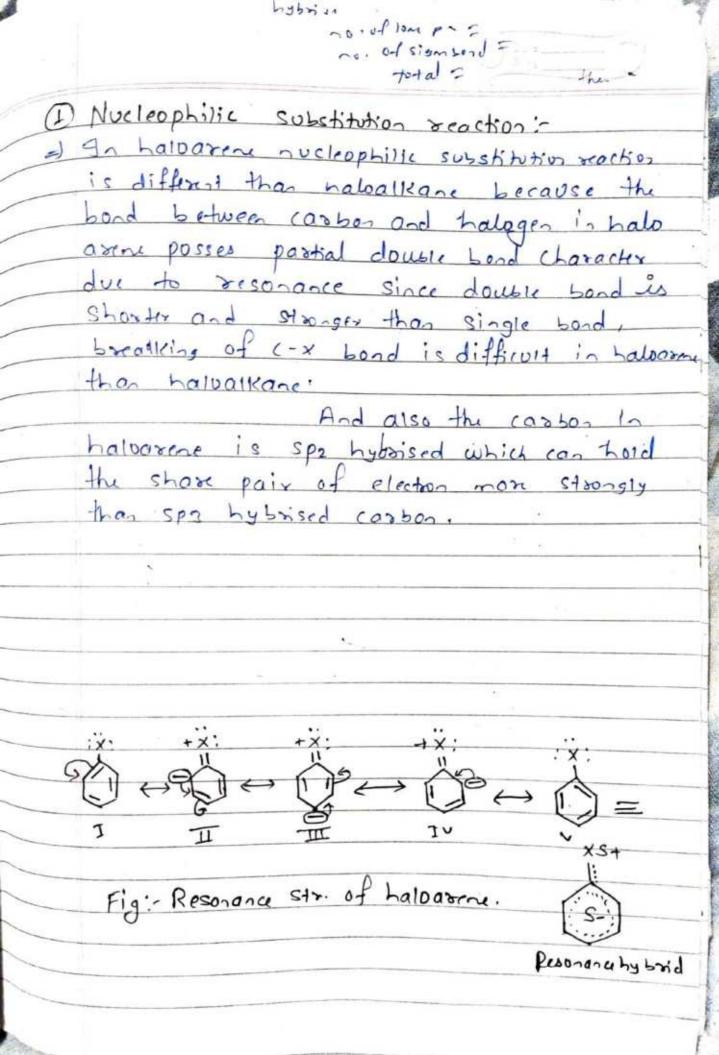
dishaloarene, have almost some boiling point but pasa di haloarene has high melting point than ortho and meta dihaloarene because para dihaloarene has symmittic structure and fit compactly and perfectly it in its crystal lastice.

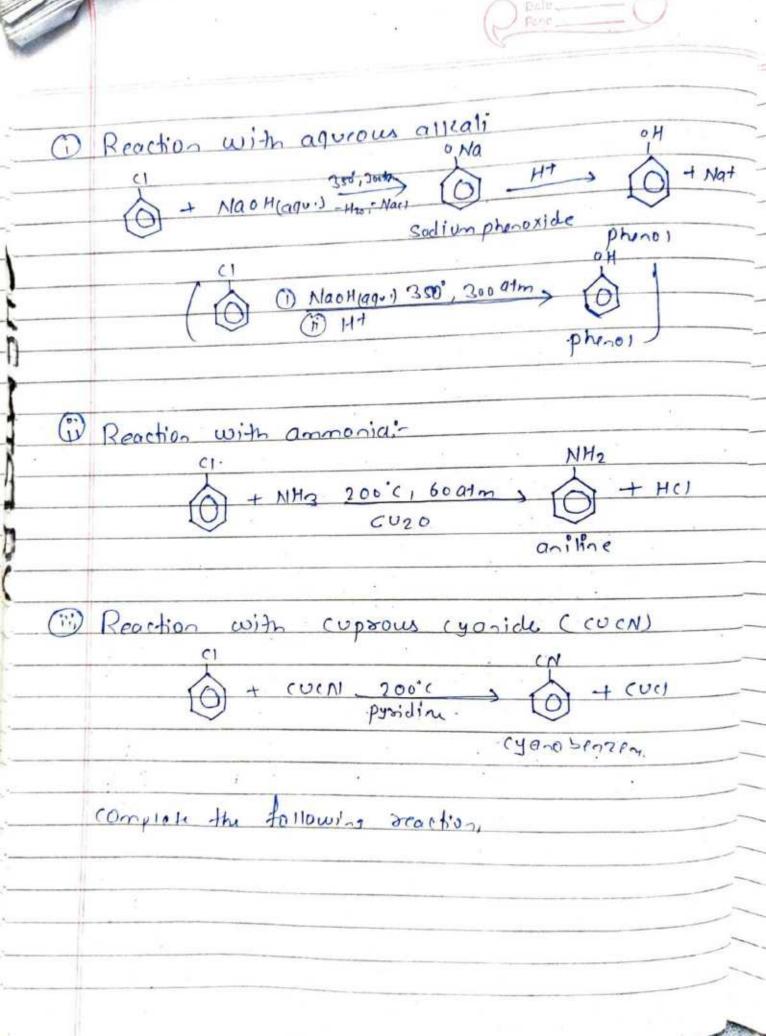


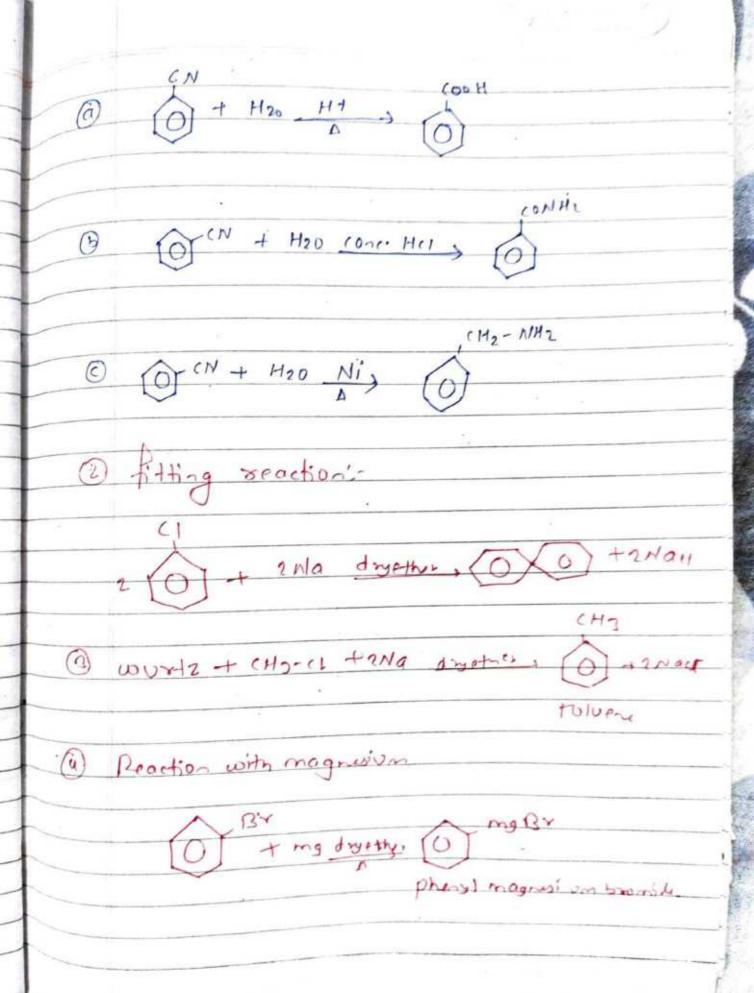
(11) Solubility:

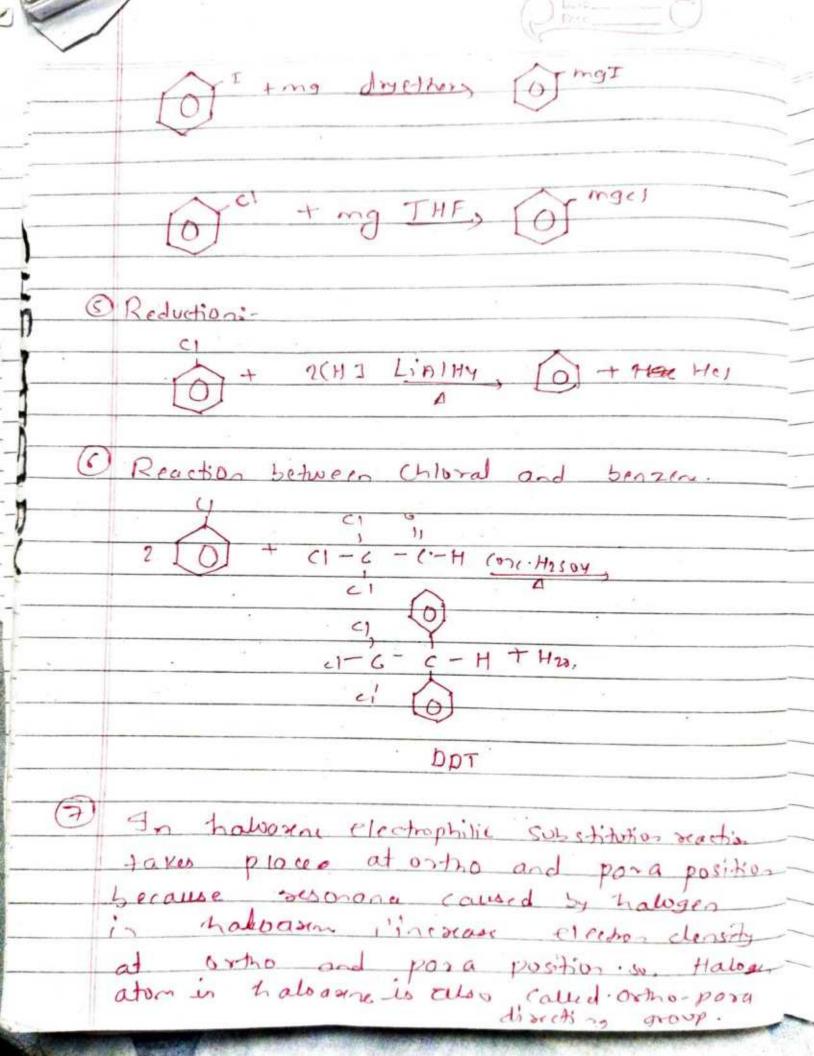
because they cannot form intermolecular hydrogen bond with water.

\* Chemical properties of Haloarene.









#	Reaction
0	Halogenation:
	(1)
	2 (6) + 2 cl2 Fecl3, (0) + 10) + 2 Hel
	minor major
(ii)	Nitration:
	CI CI
	2 0 + 2 10nc. HAIDS CON. HISONS OT Atoz+
	م م م
	0 + 2 H20
	No <sub>2</sub>
	prchlosonitalinary.
(11)	sulphonation: 2 0 + 21m: Hasour Ontoz+
	2 2 4
	O + 1 110.
	N/62
	p-chlorobenzene sulphonic.
0	Friedal craft allegiation: Addition of allegil-Ring
(iv)	
	+ 2 (Ho-c) ony. Alco CHo+
	(O) a (1)
	( + 2 He1
	CHI
	p-chlorotolopa.

