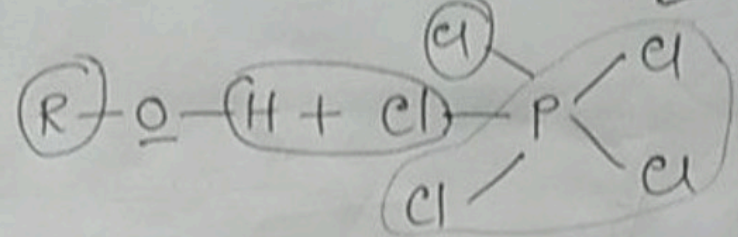
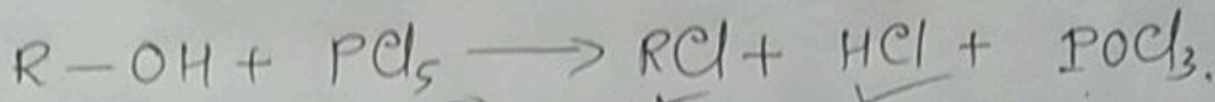
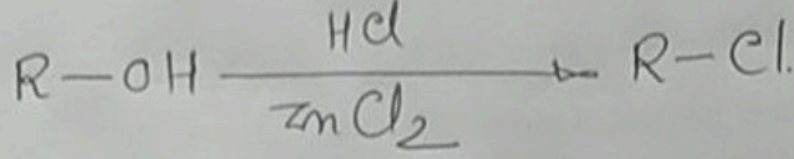


Synthetic Procedure of alkyl halide

Synthesis of chloroalkane (RCl)

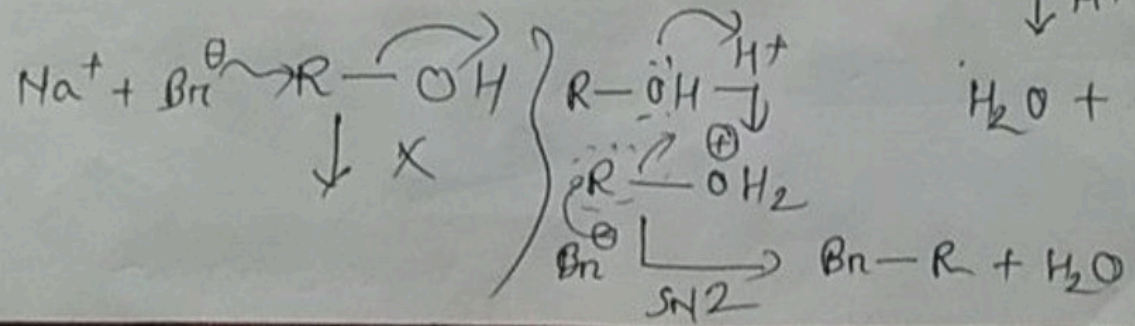
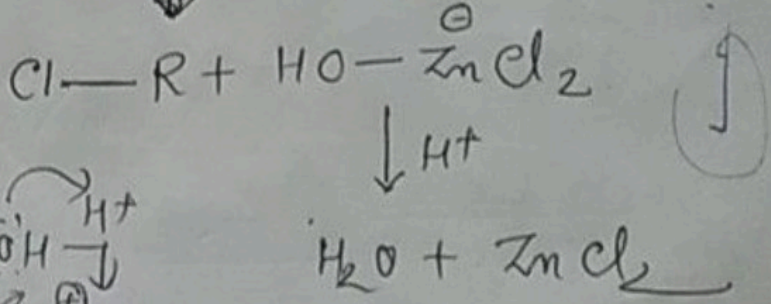
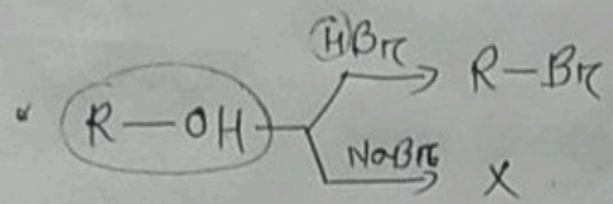
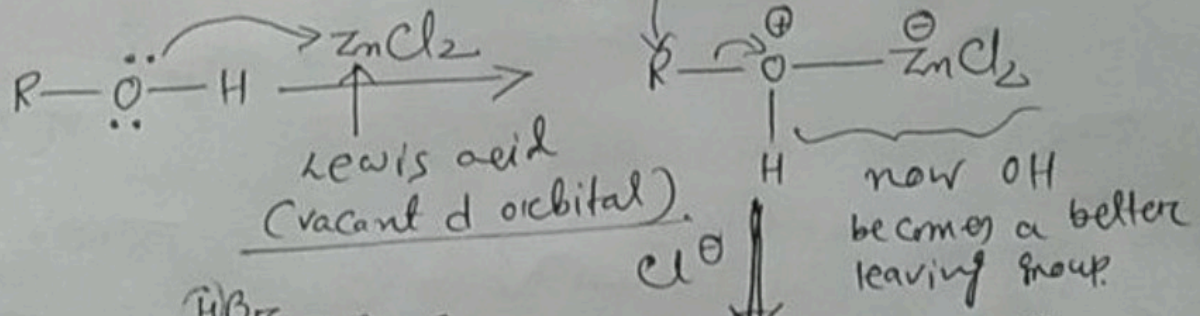
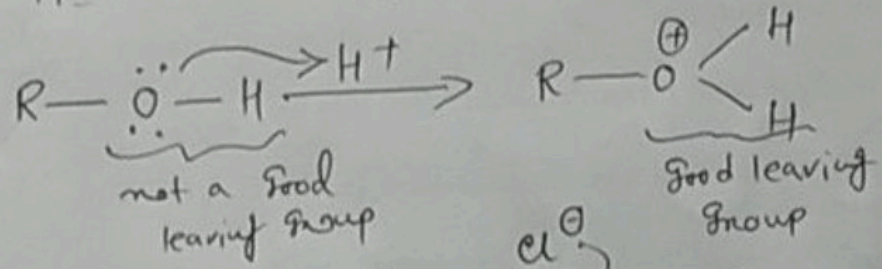
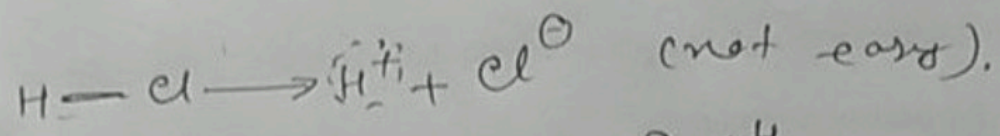


Synthesis of RX by Lucas Reagent (ZnCl2 + HCl)

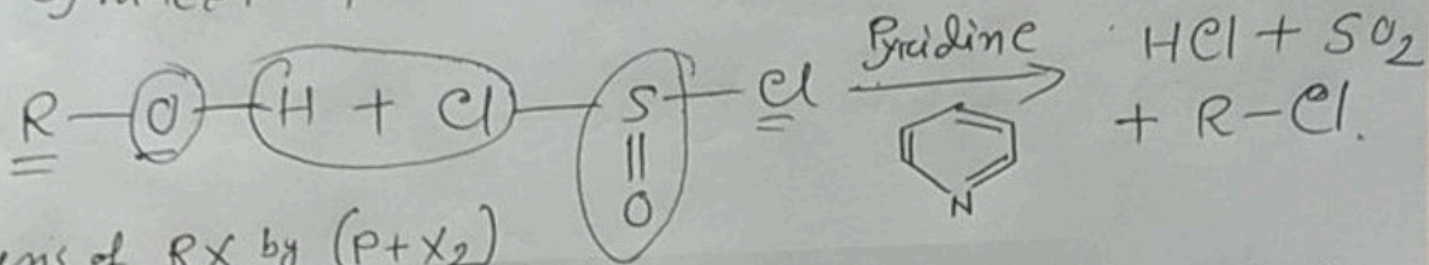


Rate of rxn $3^\circ > 2^\circ > 1^\circ$

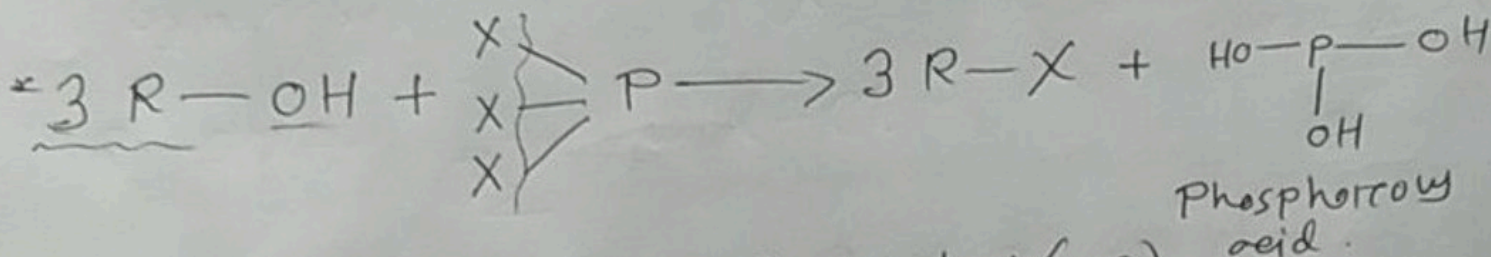
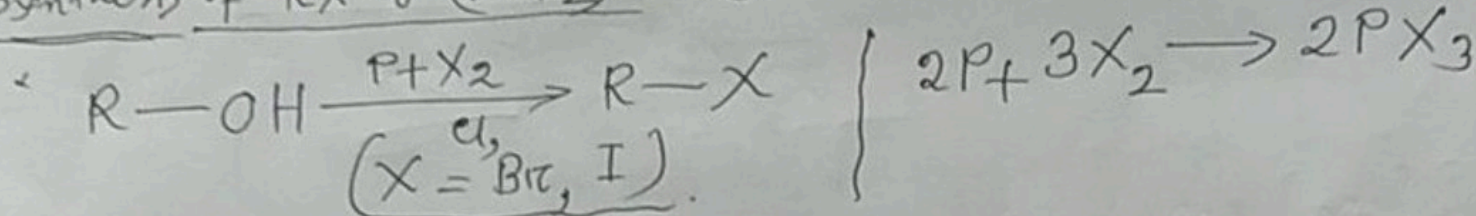
(R⁺) Carove's Process



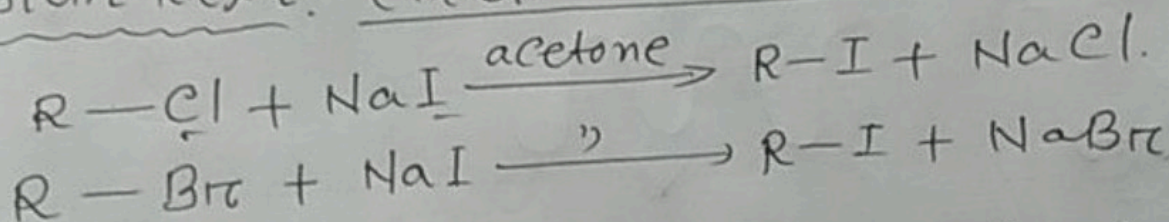
Synthesis of chloroalkane by SOCl_2



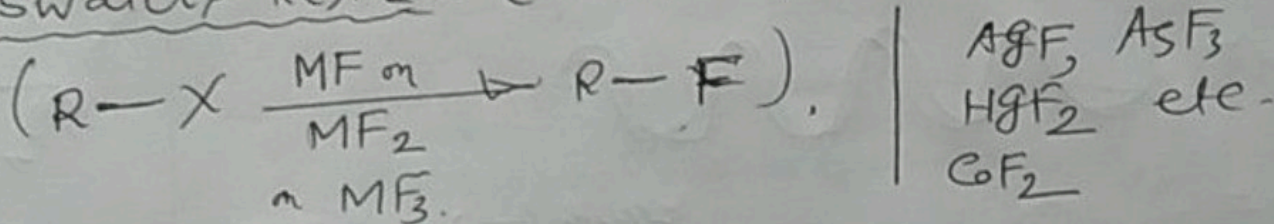
Synthesis of RX by $(\text{P} + \text{X}_2)$



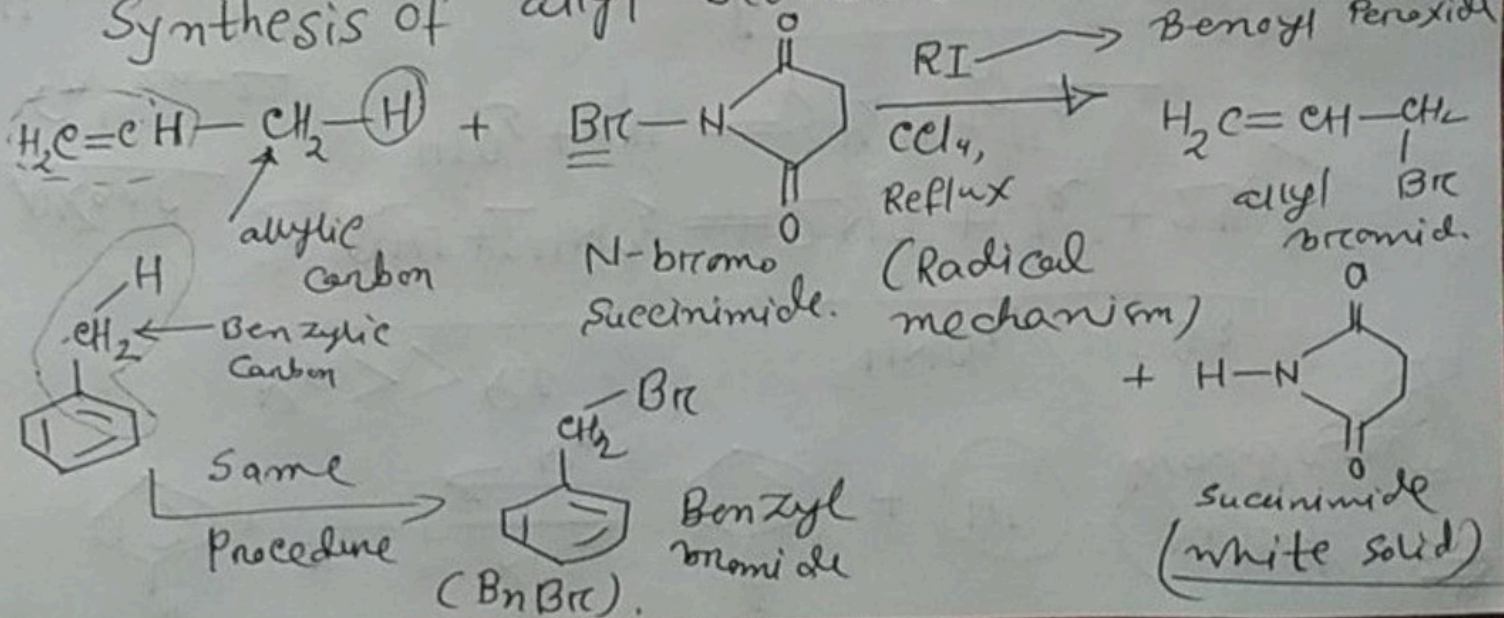
Finkelstein Rxn: (Prepⁿ of iodoalkane)



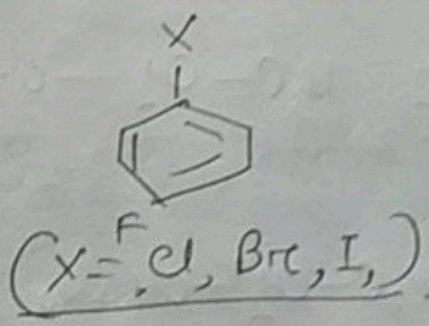
Swarts Rxn - (Prepⁿ of fluoroalkane)



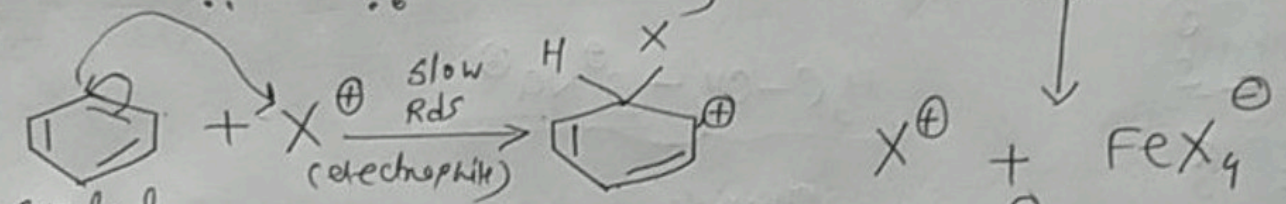
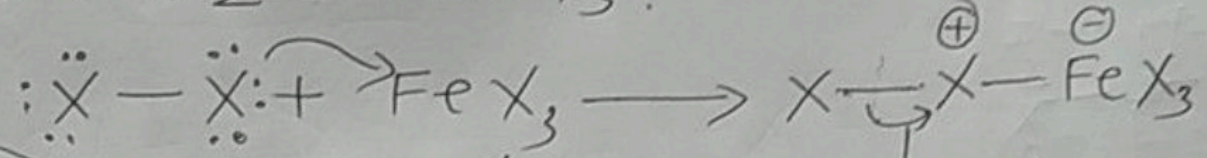
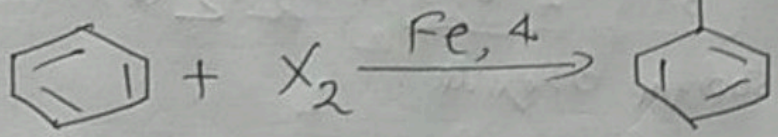
Synthesis of allyl bromide or benzyl bromide



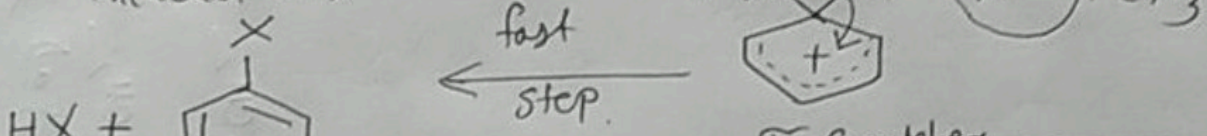
Haloarene
↓
Aryl halide



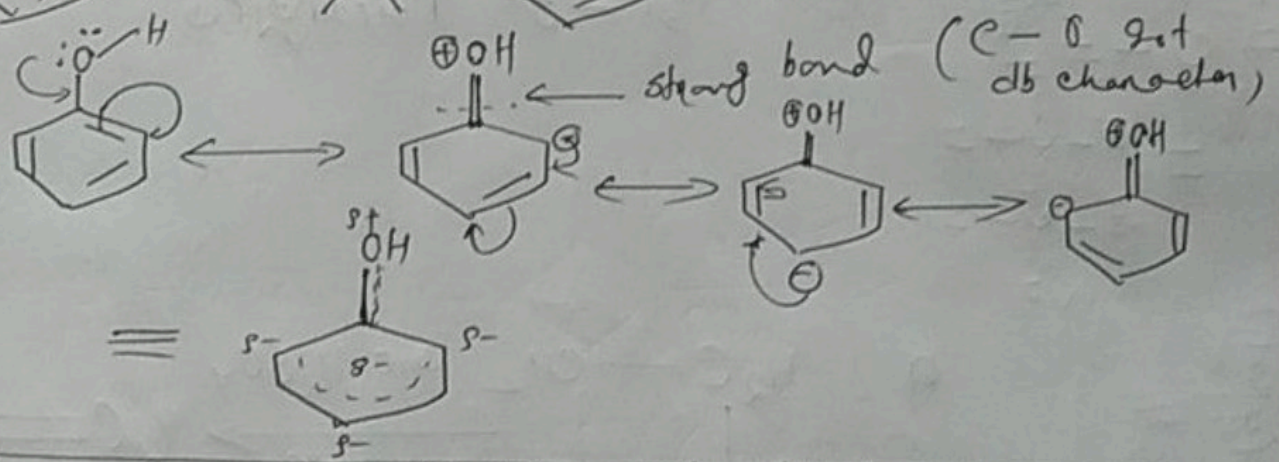
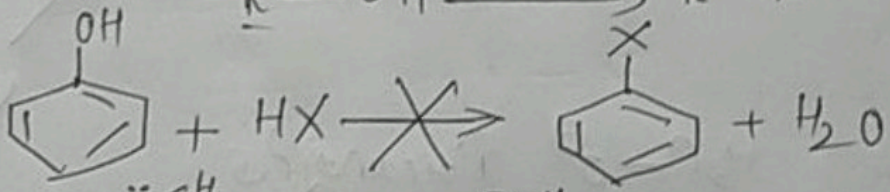
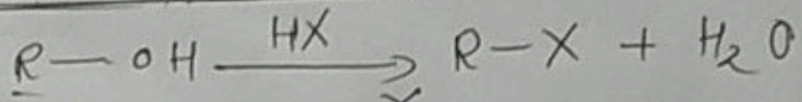
Prepⁿ of halobenzene



(Neutral nucleophile)



[Haloarene can't be prepared from phenol and HX]



Synthesis of dihaloarene

