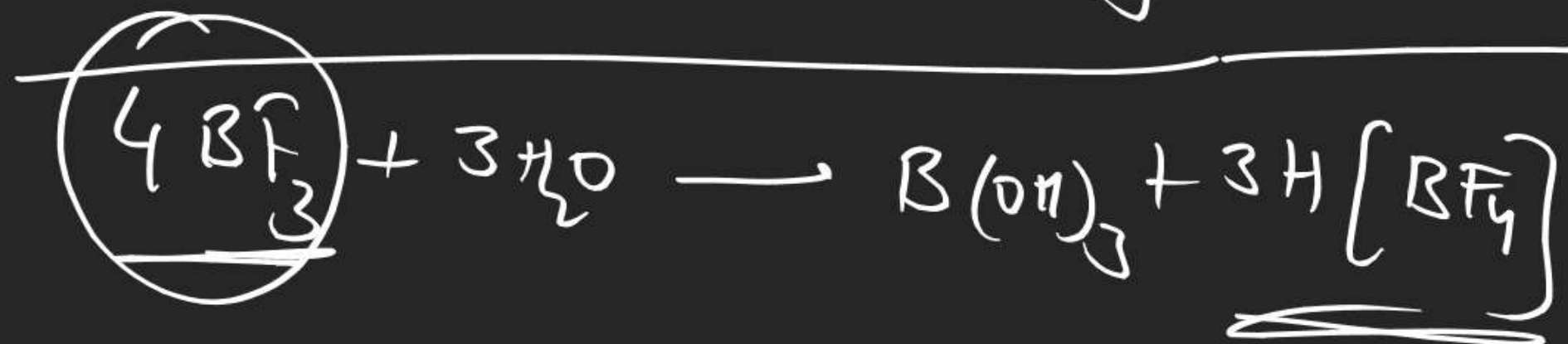
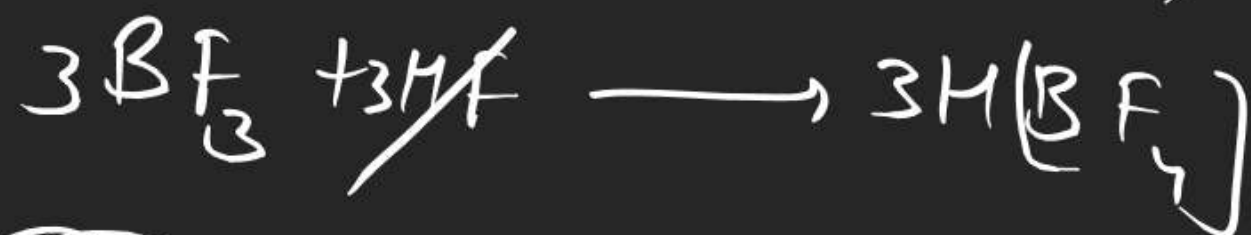


Ques BF_3 undergoes in partial hydrolysis
While BCl_3 undergoes in complete hydrolysis
Why?

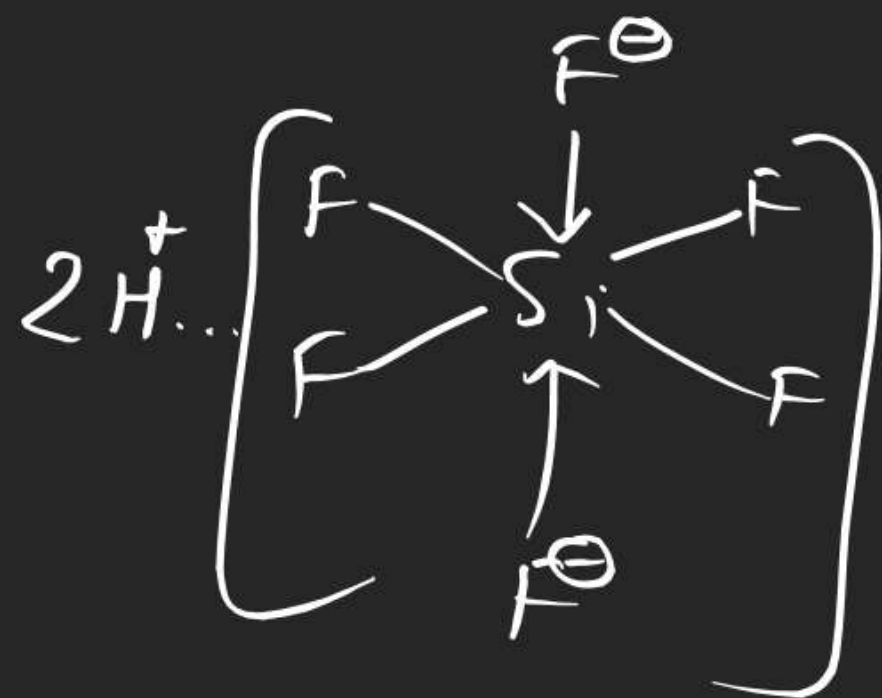
Ans — because of complex formation



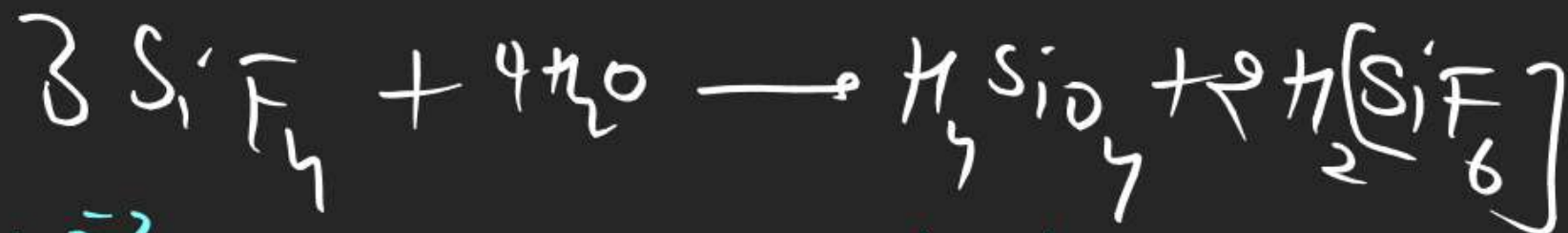
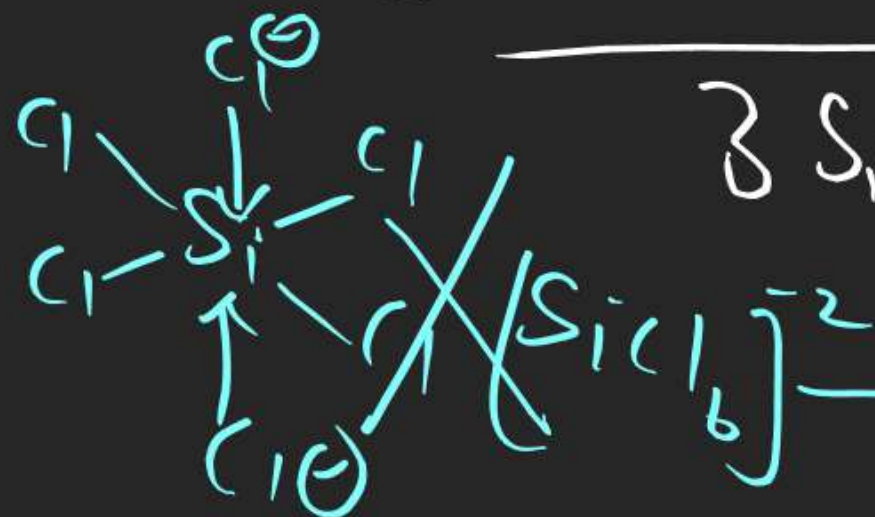


$[\text{BCl}_4]^\ominus$ doesn't exist

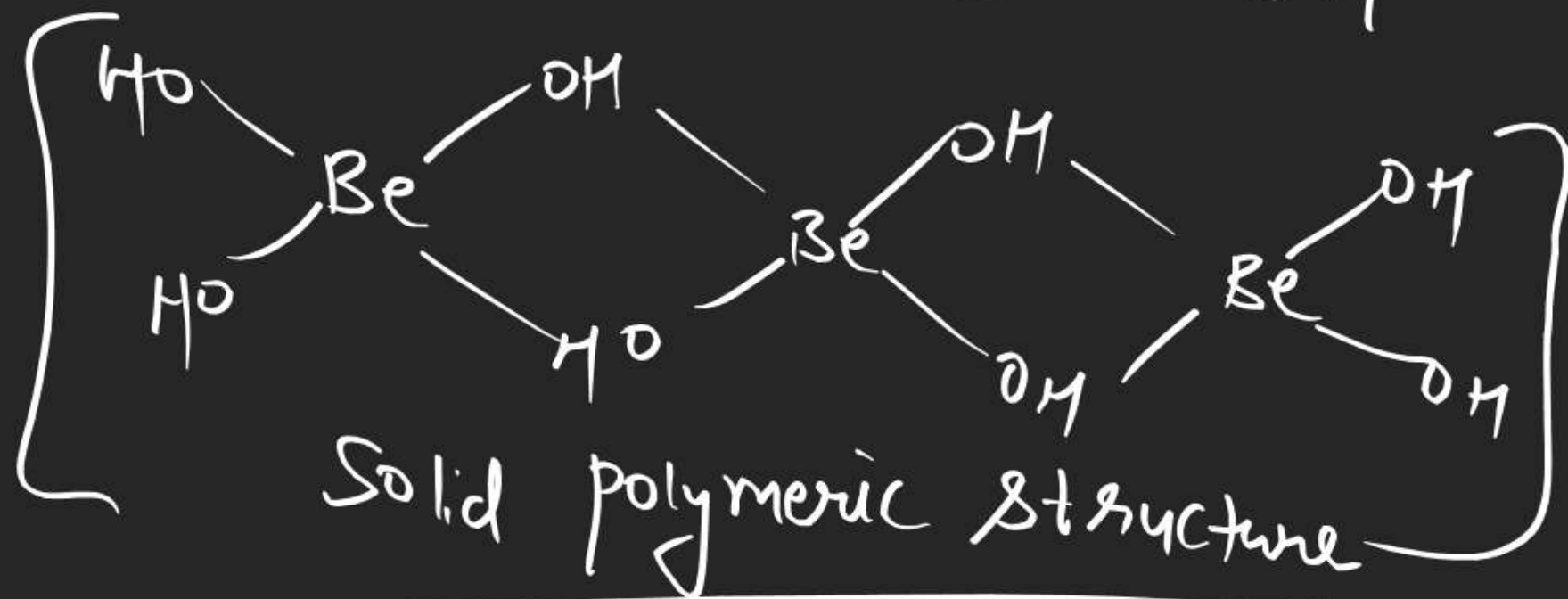
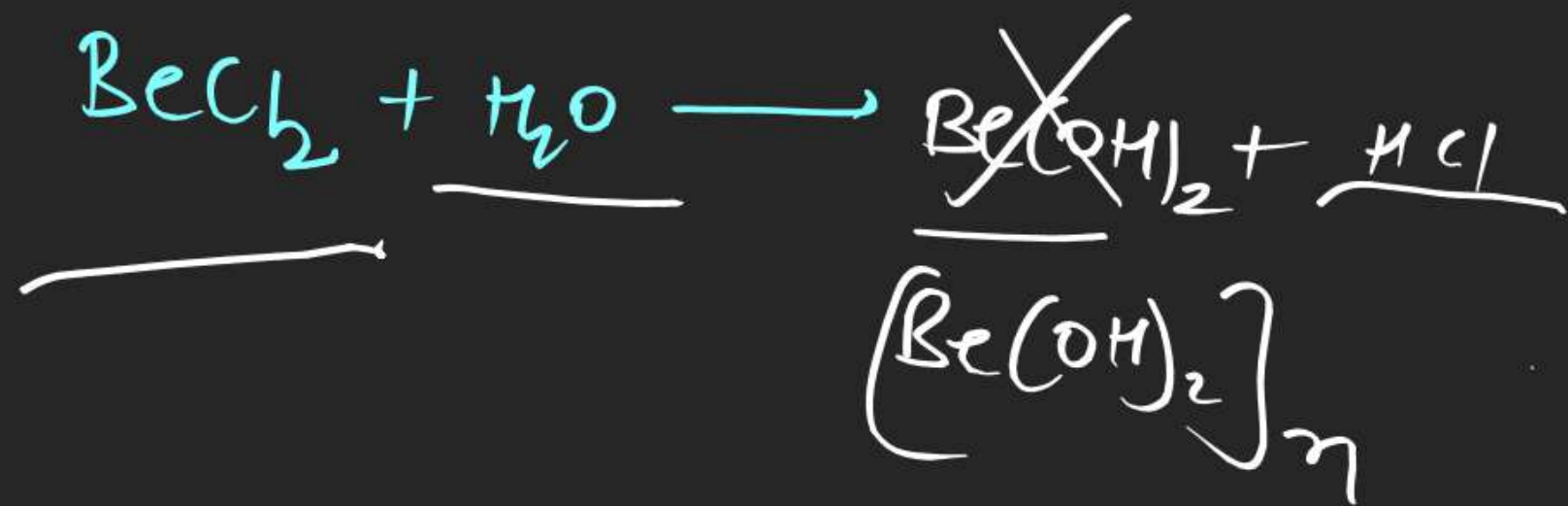
Ques SiF_4 undergoes in partial Hydrolysis
While SiCl_4 undergoes in complete



Ans → Hydrolysis due to formation Complex

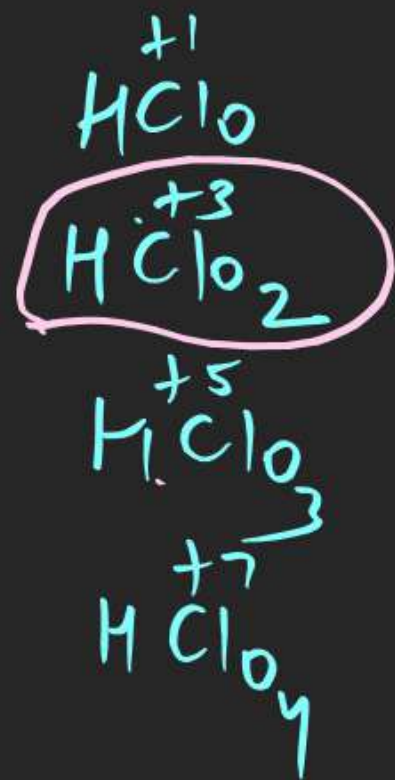


~~$[\text{SiCl}_6]^{2-}$~~ does not exist due to steric rep.

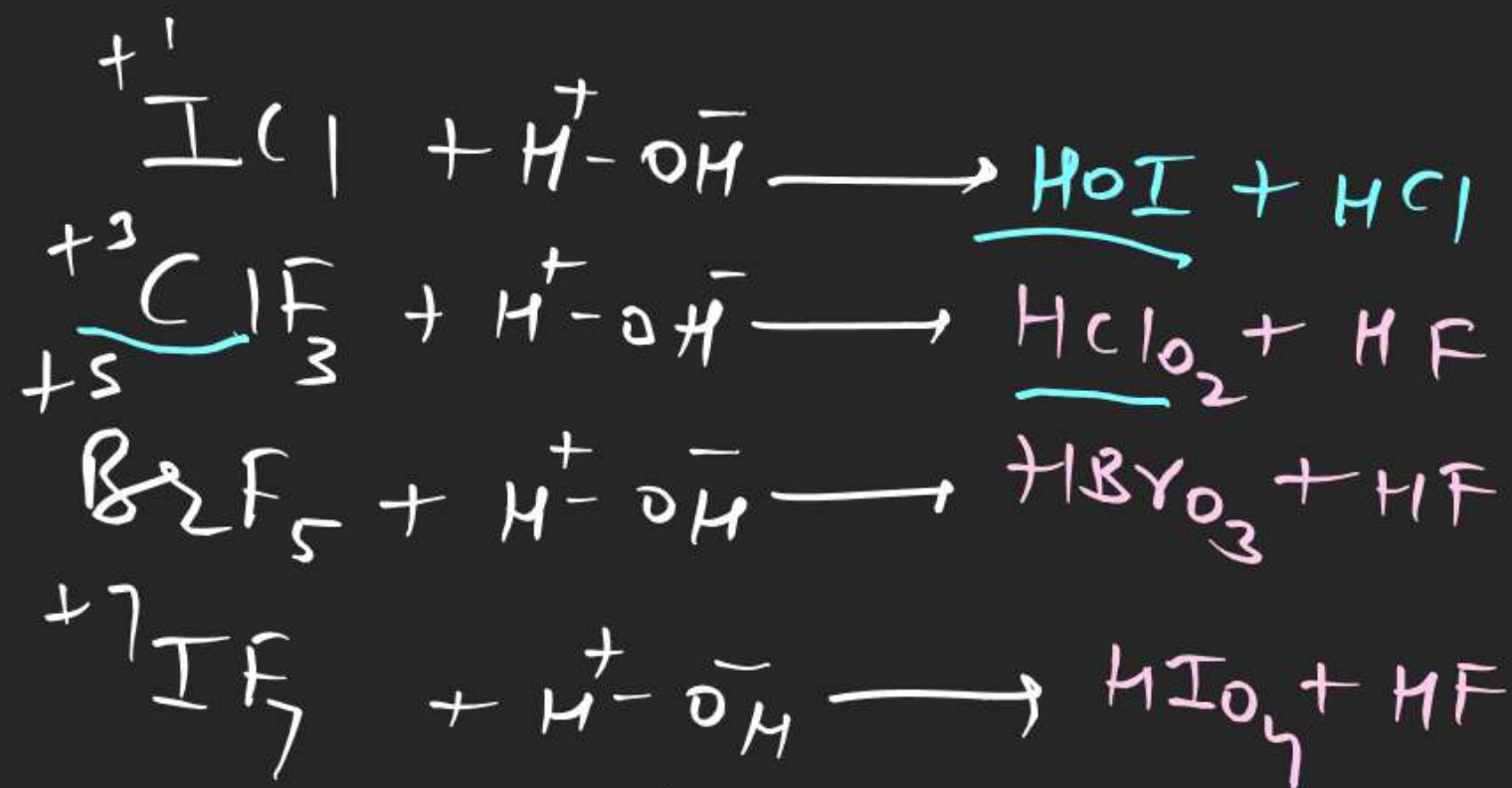


Sp^3 hyb. non planar

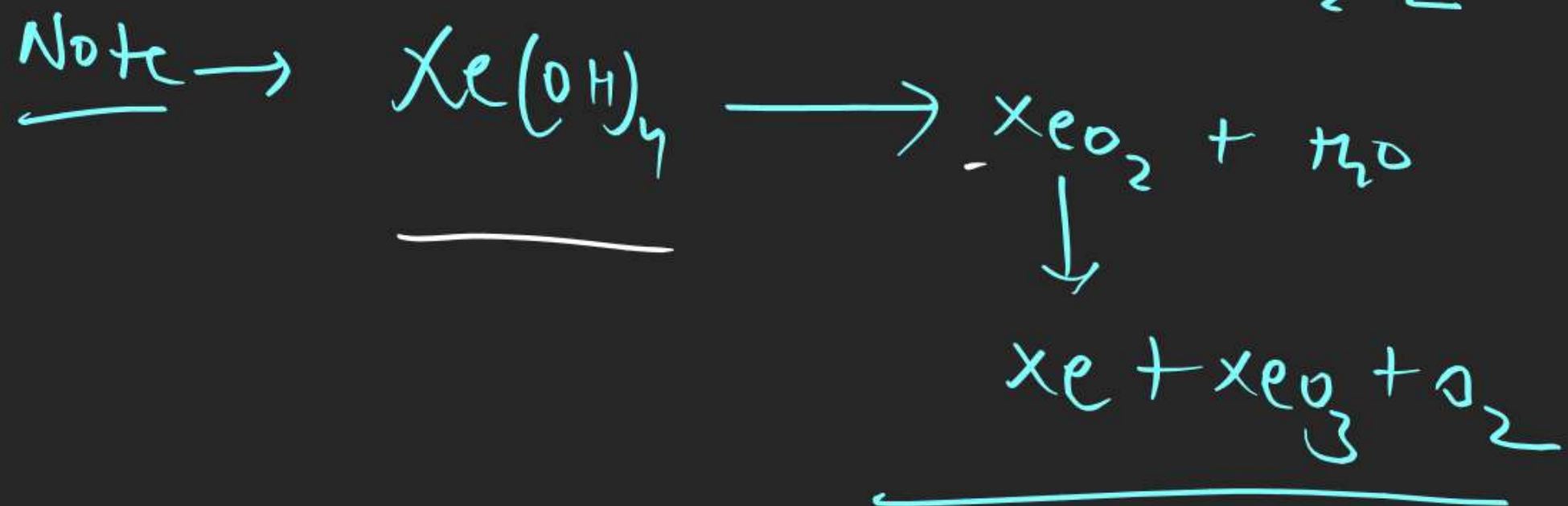
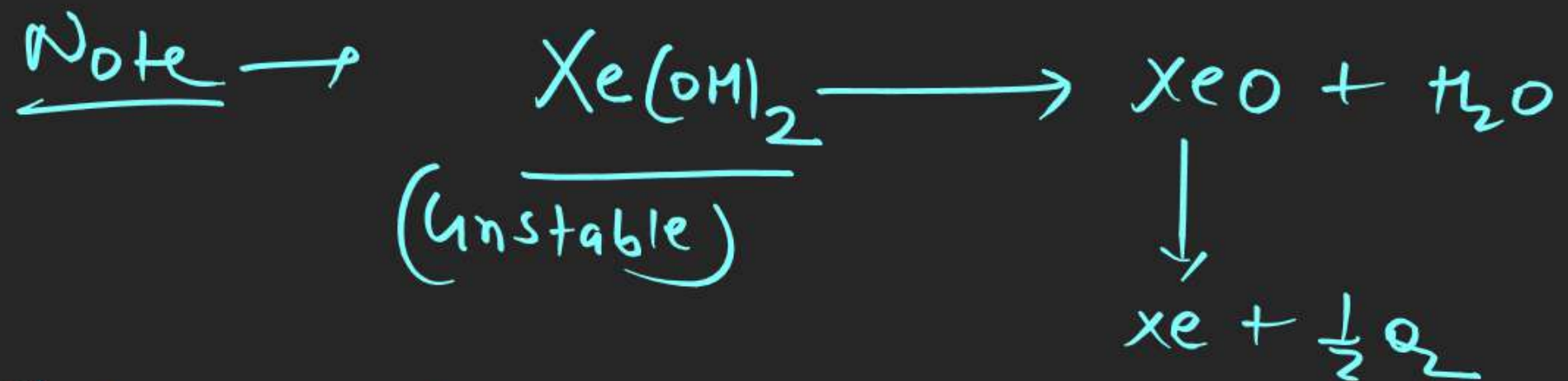


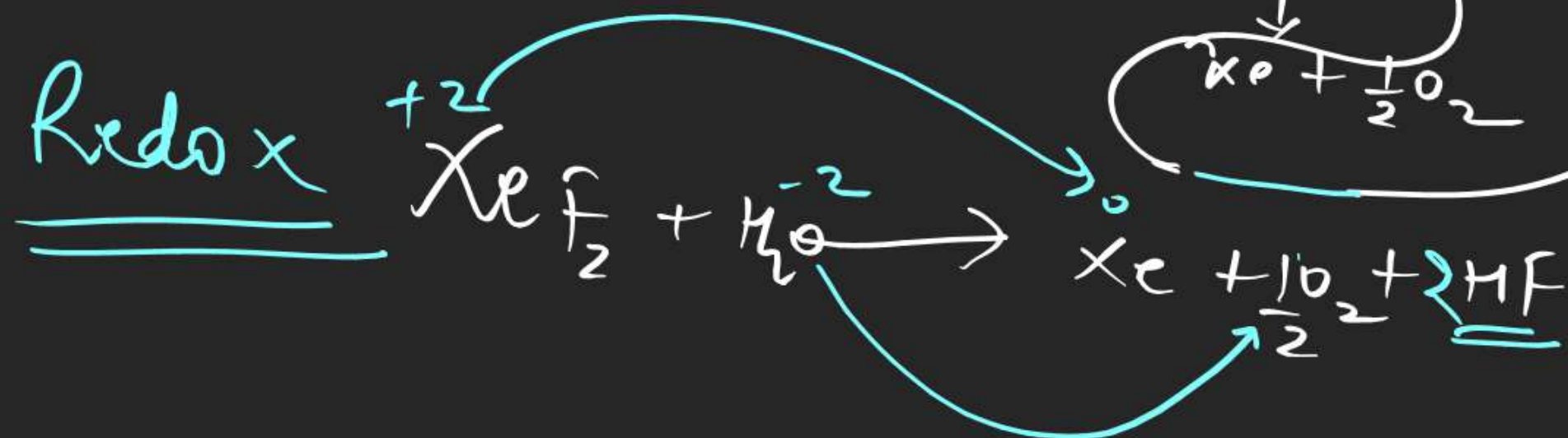
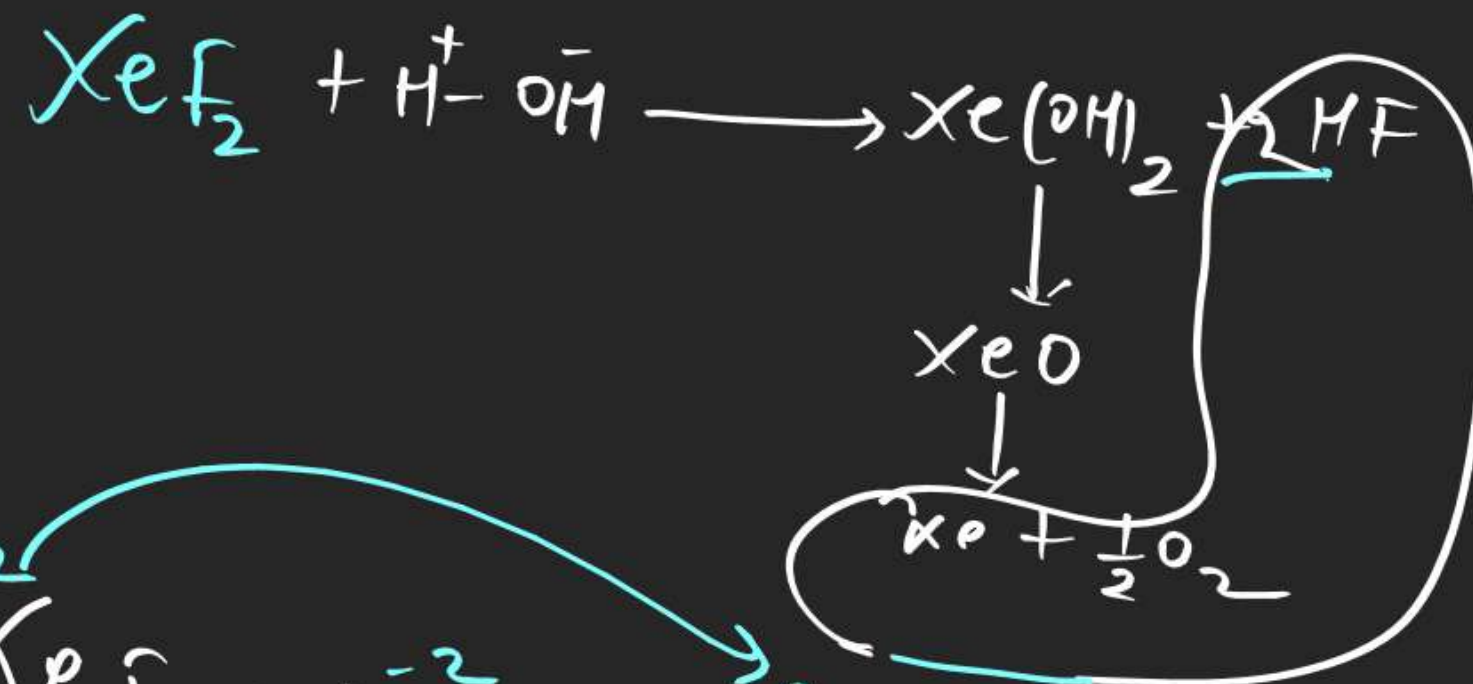


Hydrolysis of Interhalogen Compound



Hydrolysis of noble gas Compound



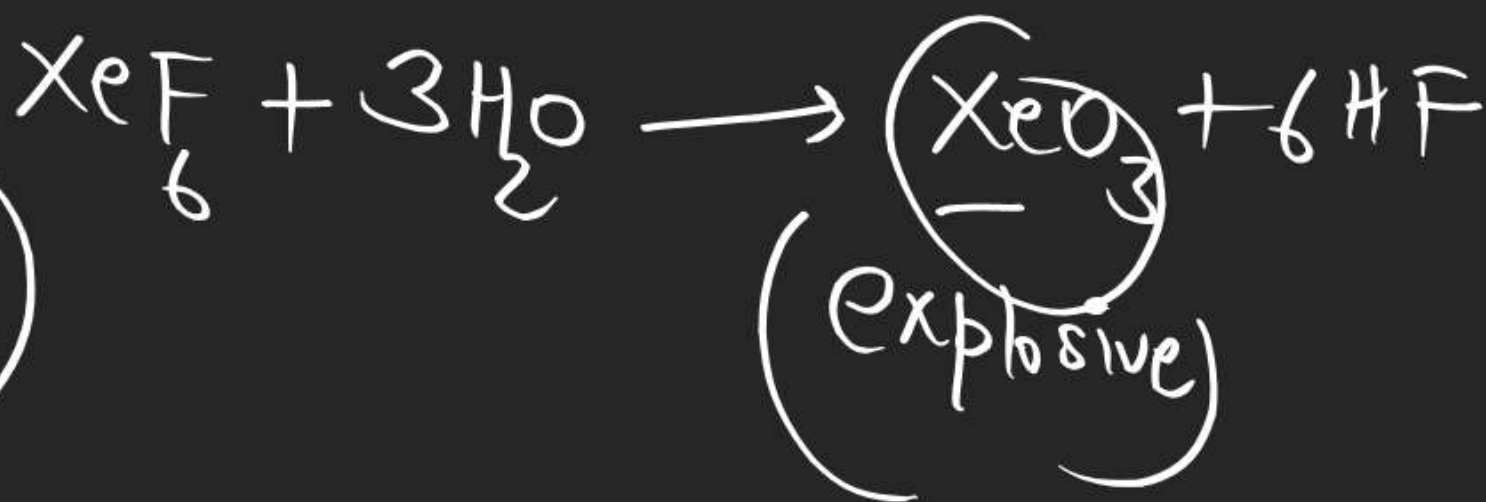


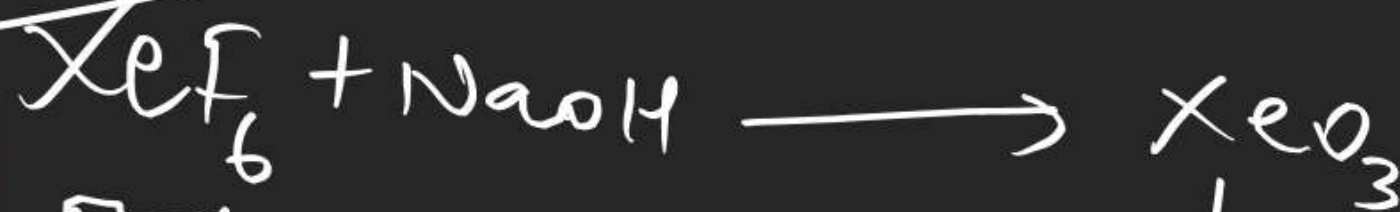
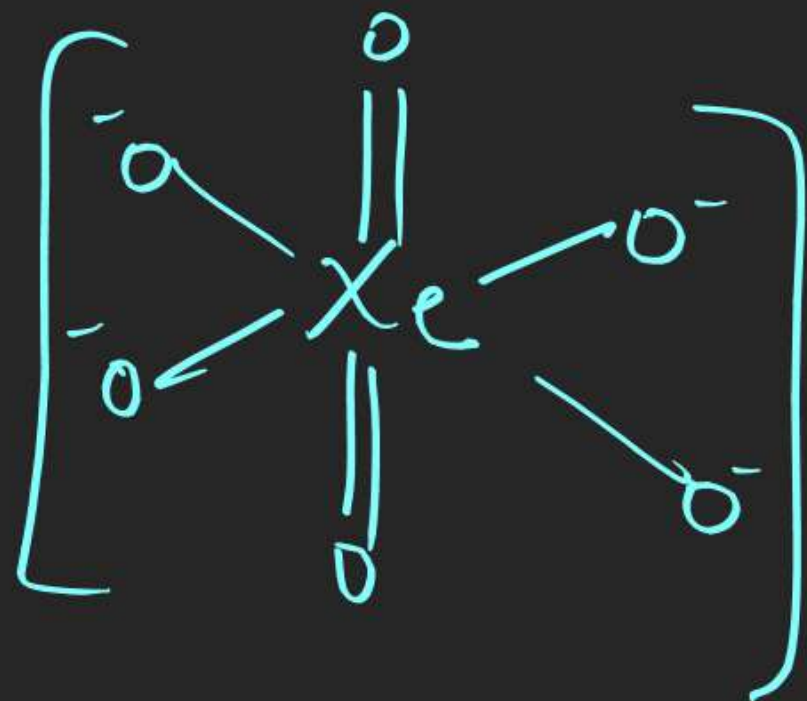
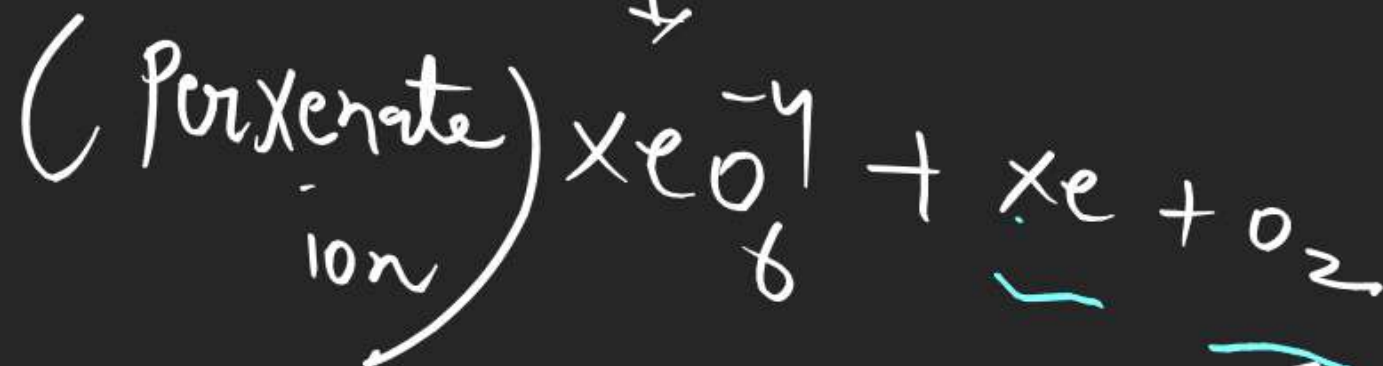


Step wise Hydrolysis

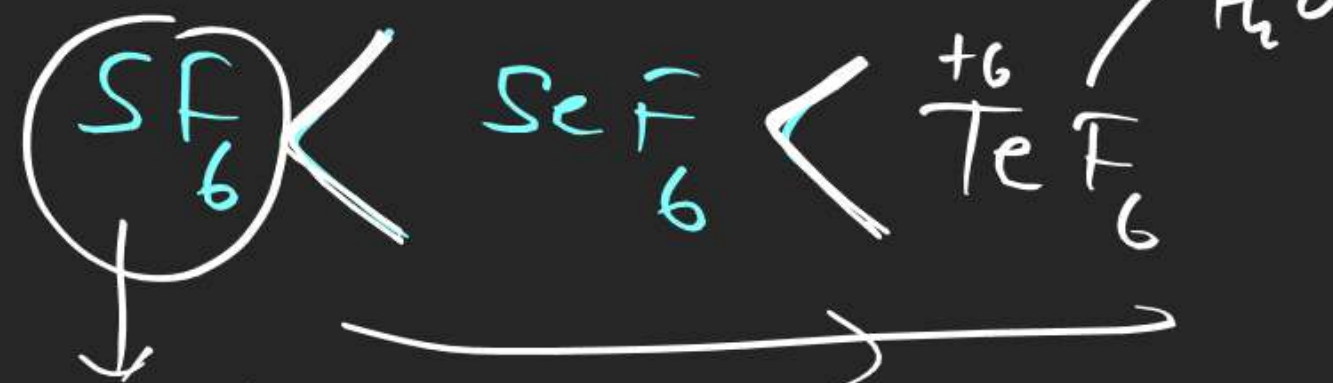


(Complete Hydrolysis)



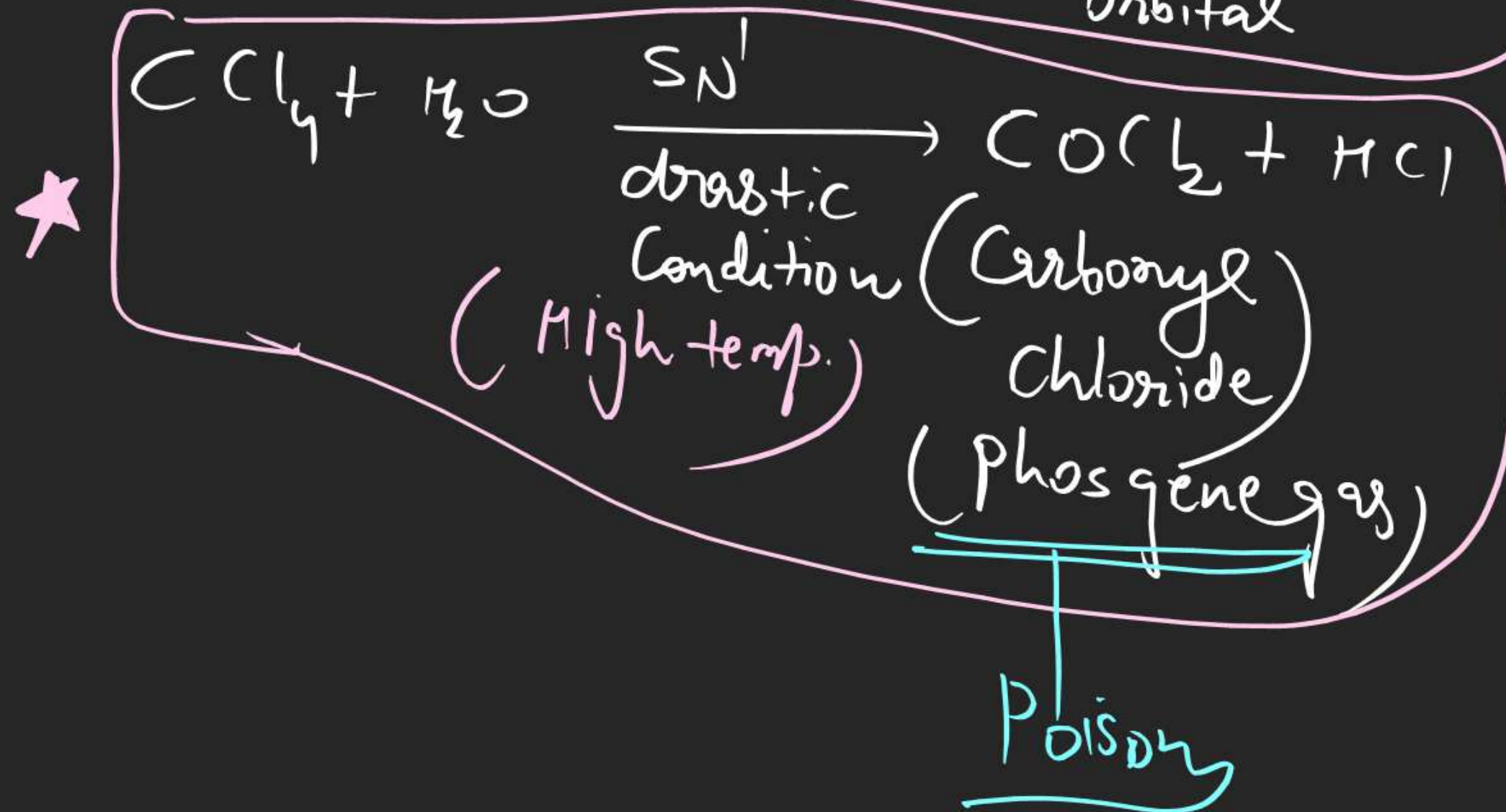
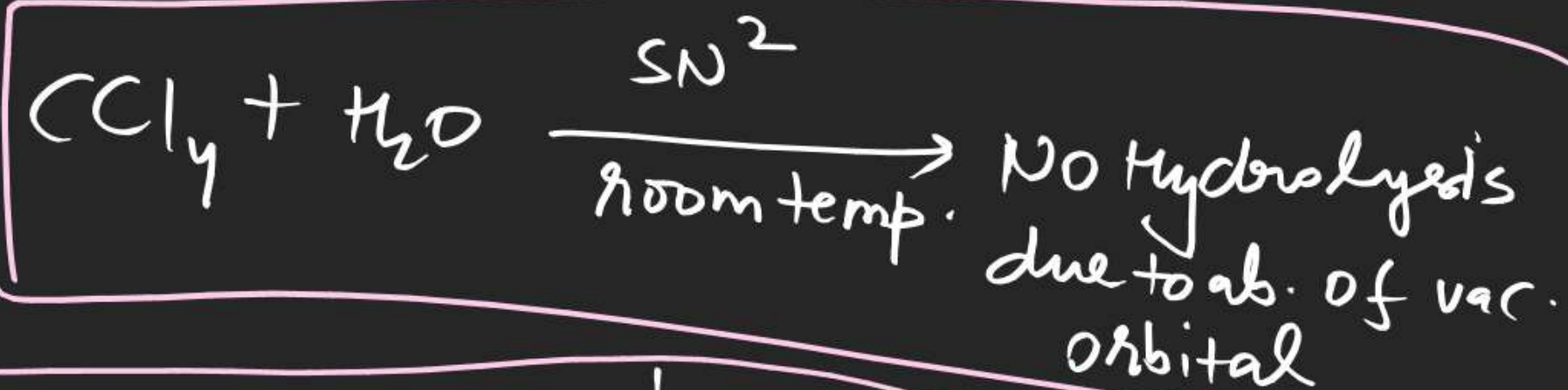
IEE Advanced(alkaline
hydrolysis)OH⁻(unstable) H XeO_4^- (Xenate ion)

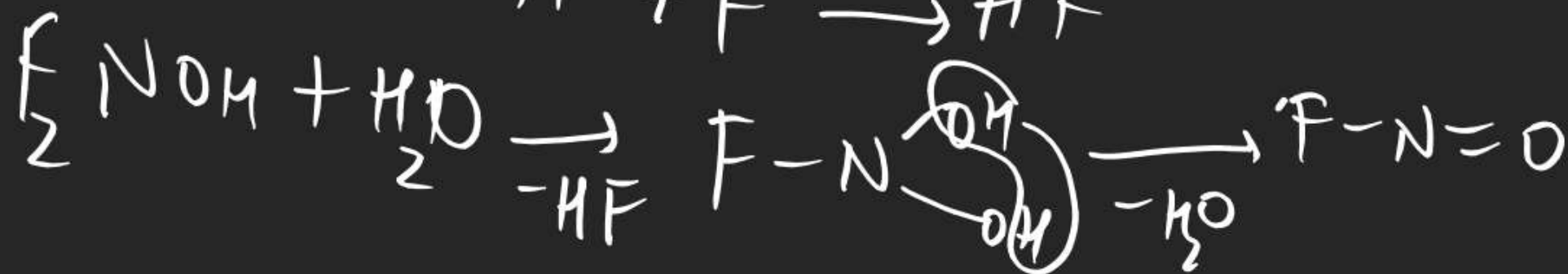
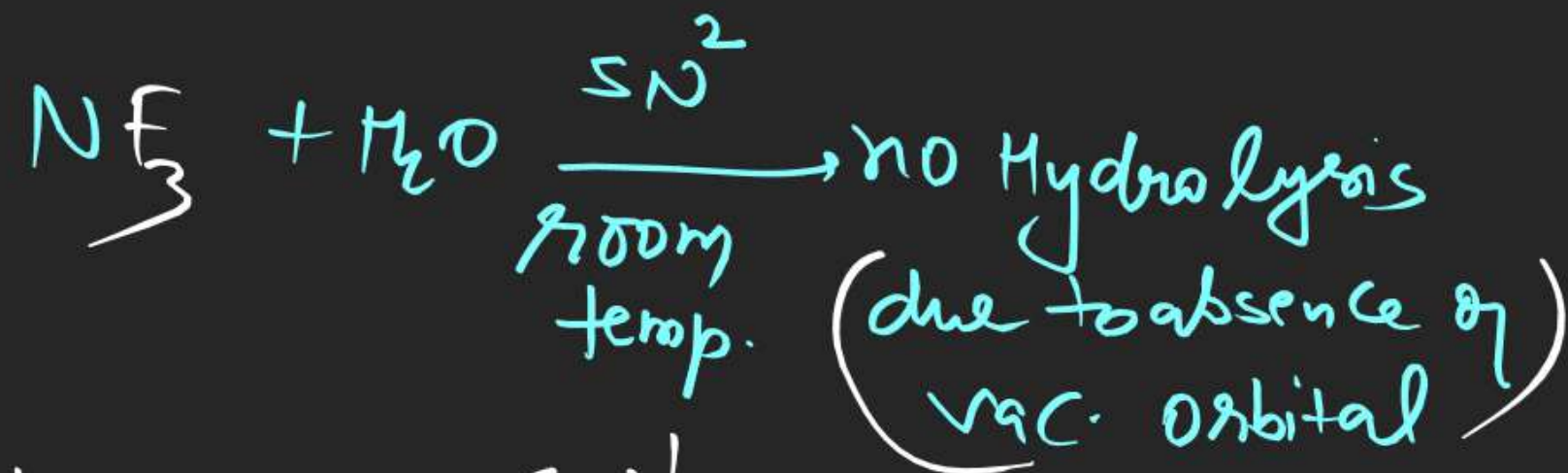
Rate of hydrolysis



no Hydrolysis
due to steric
crowding

size ↑ steric crowding ↓ rate of hydrolysis ↑





{ DPP → up to Hydrolysis
Sheet → up to Hydrolysis

Molecule do not exist

test

30th April

Silicate

Odd e⁻ molecule

and

Hydrolysis

V.W.F.

Bent's Rule

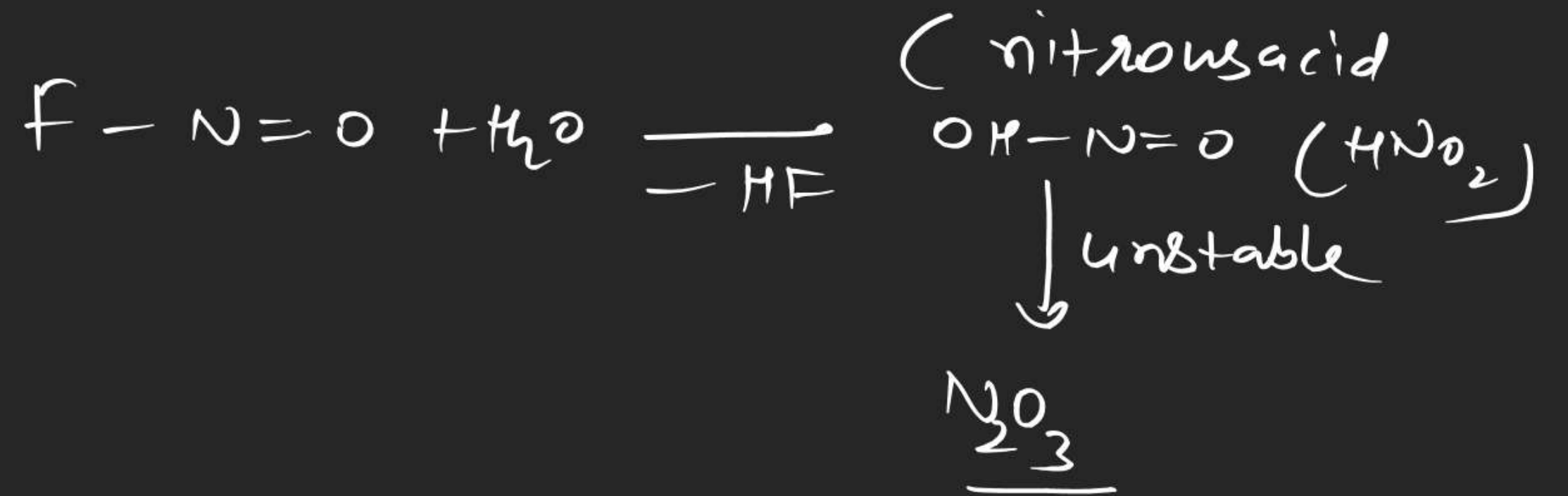
Drago's

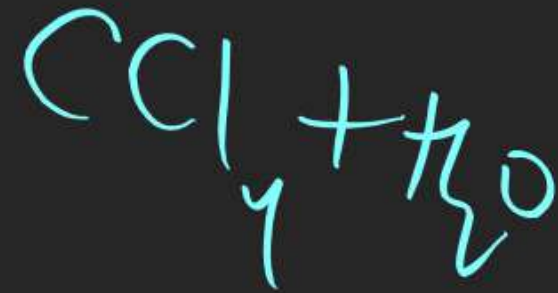
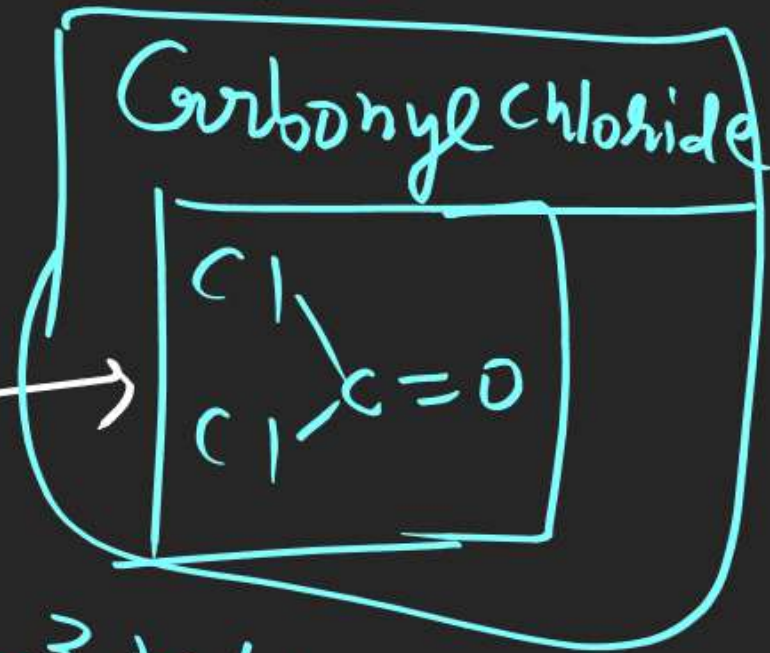
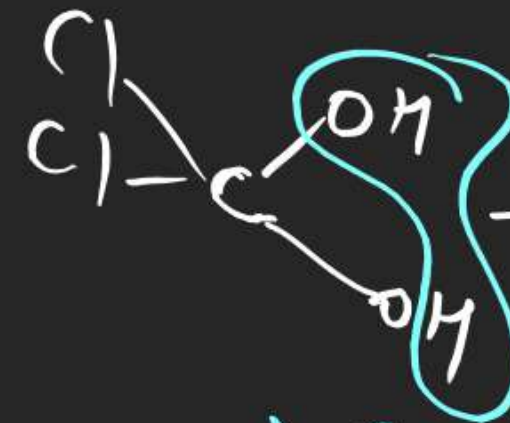
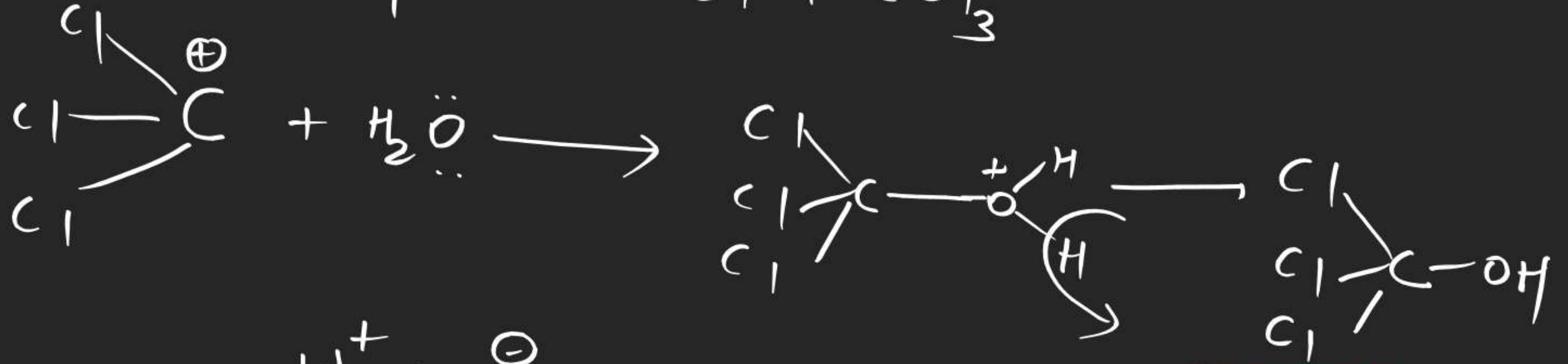
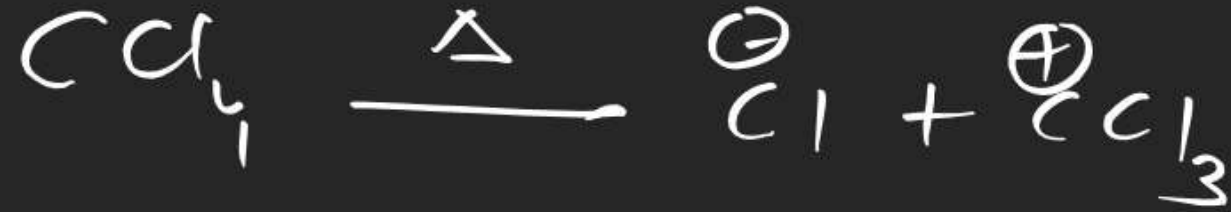
Back bonding

Bridge bonding

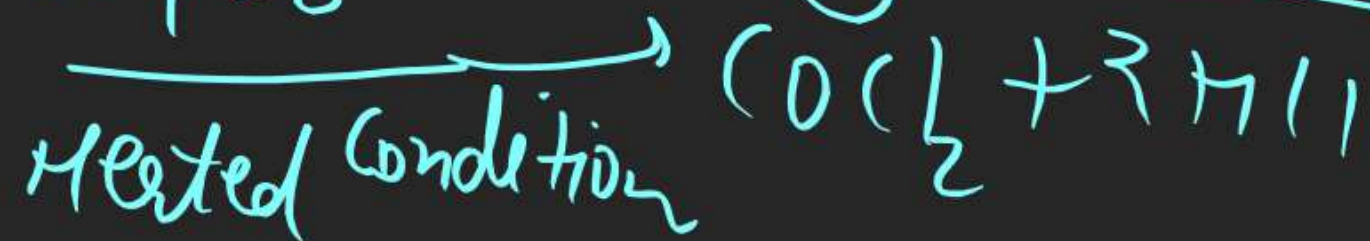
JEE Mains







Super



Ionic Compound [Fajan's Rule]