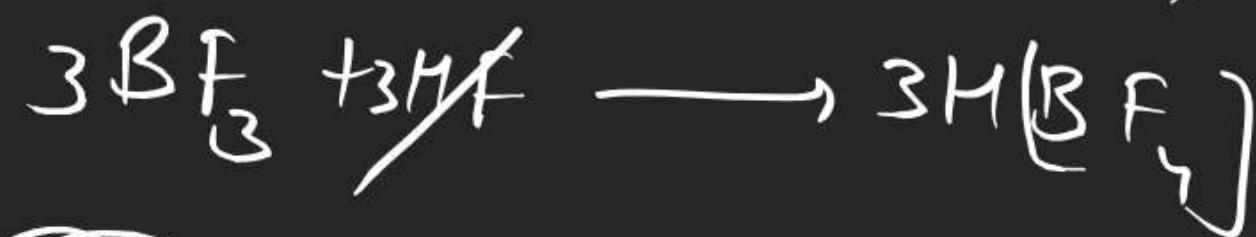


one BF_3 undergoes in partial hydrolysis

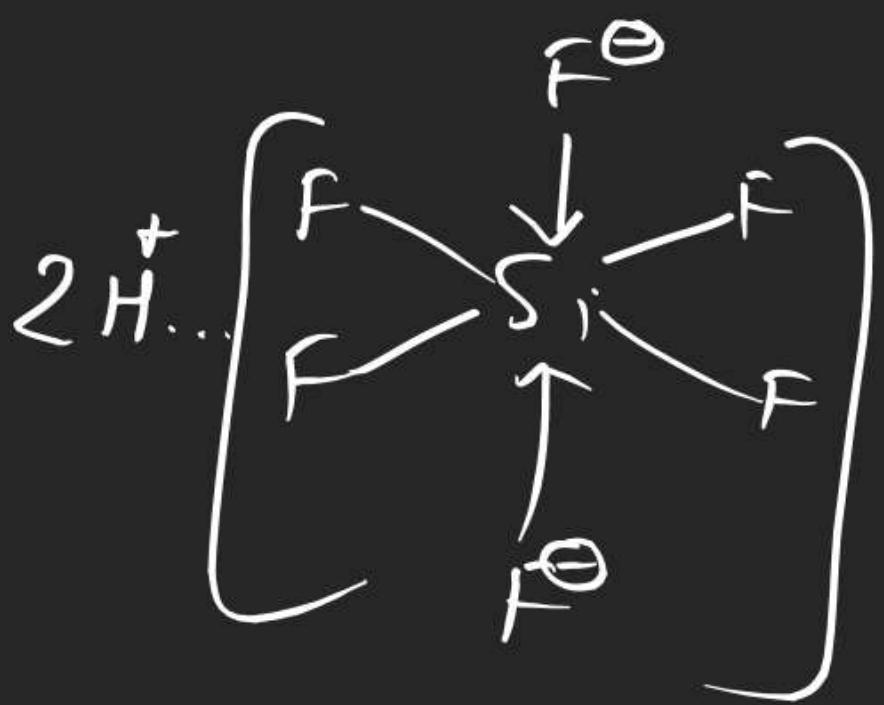
while BCl_3 undergoes in complete hydrolysis

Why?

Ans — because of complex formation

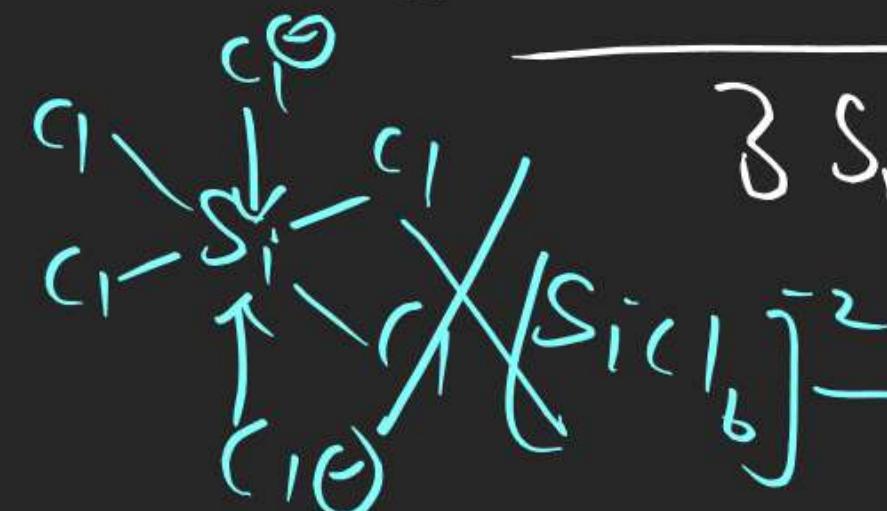
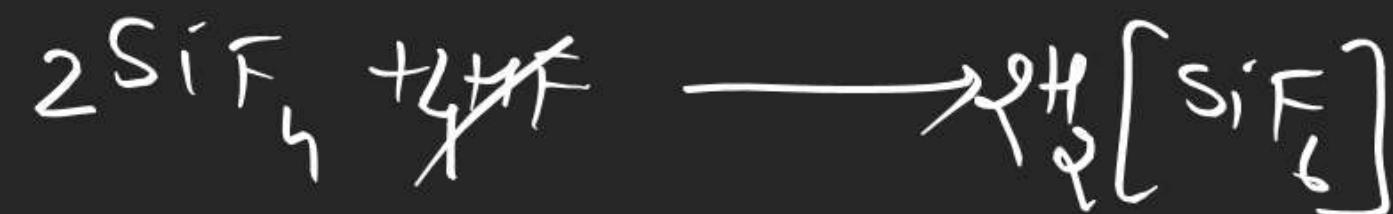


B^{Cl_3} $[B^{Cl_3}]^G$ doesn't exist

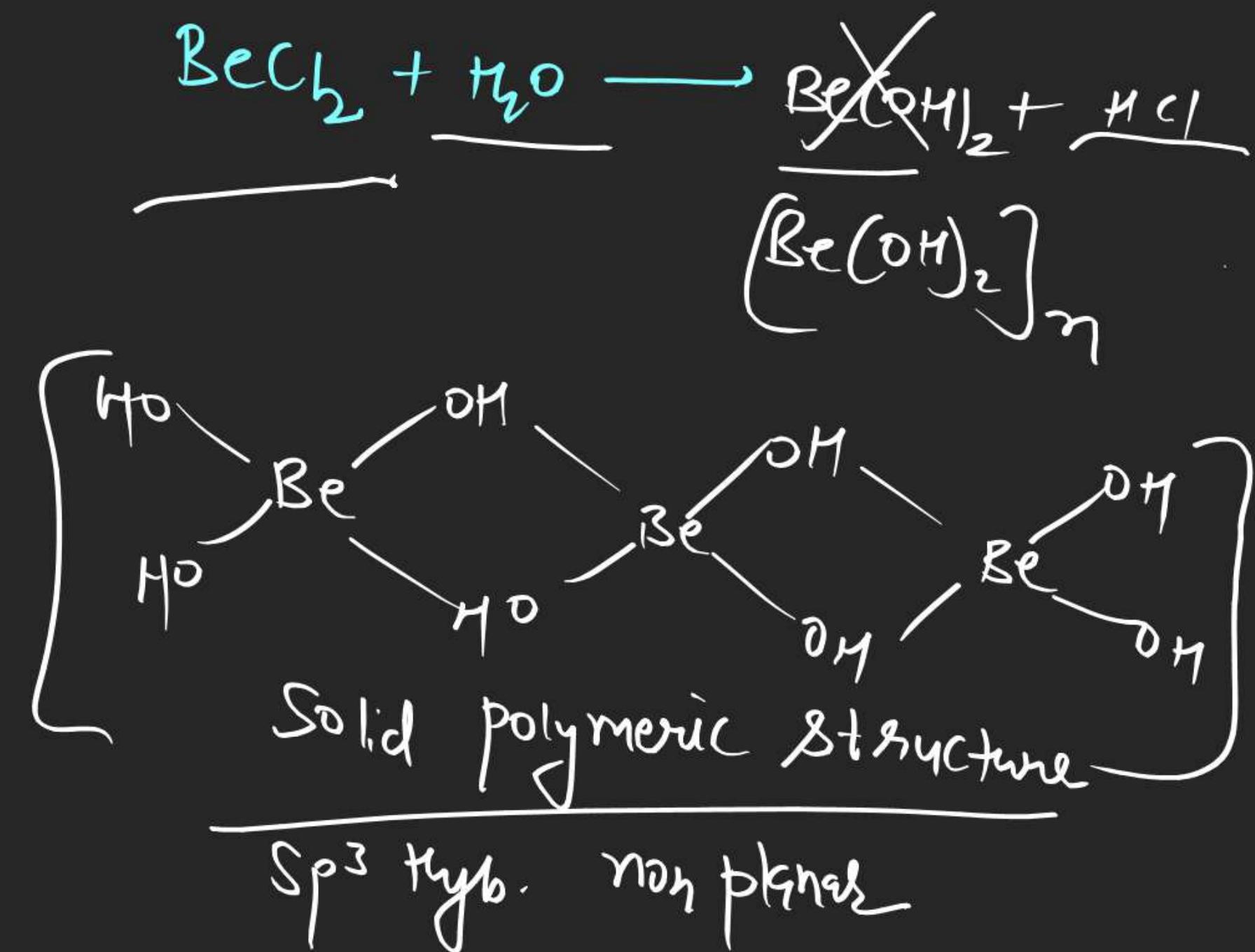
one

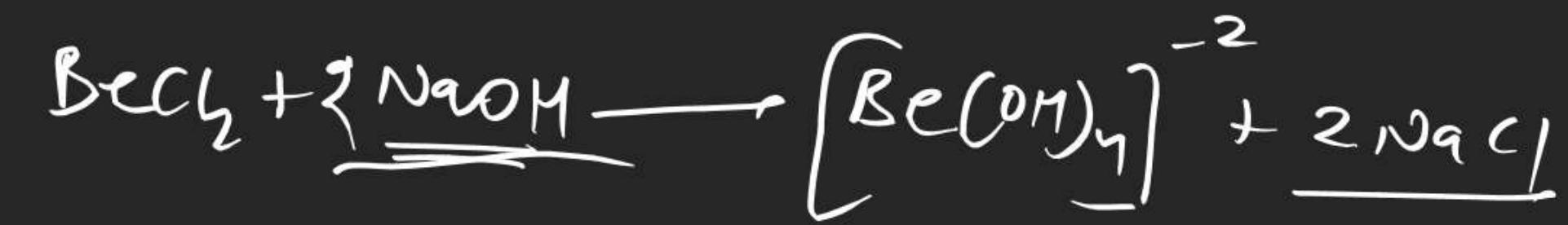
SiF_4 undergoes in partial Hydrolysis
while SiCl_4 undergoes in complete

Ans \rightarrow Hydrolysis due to formation Complex

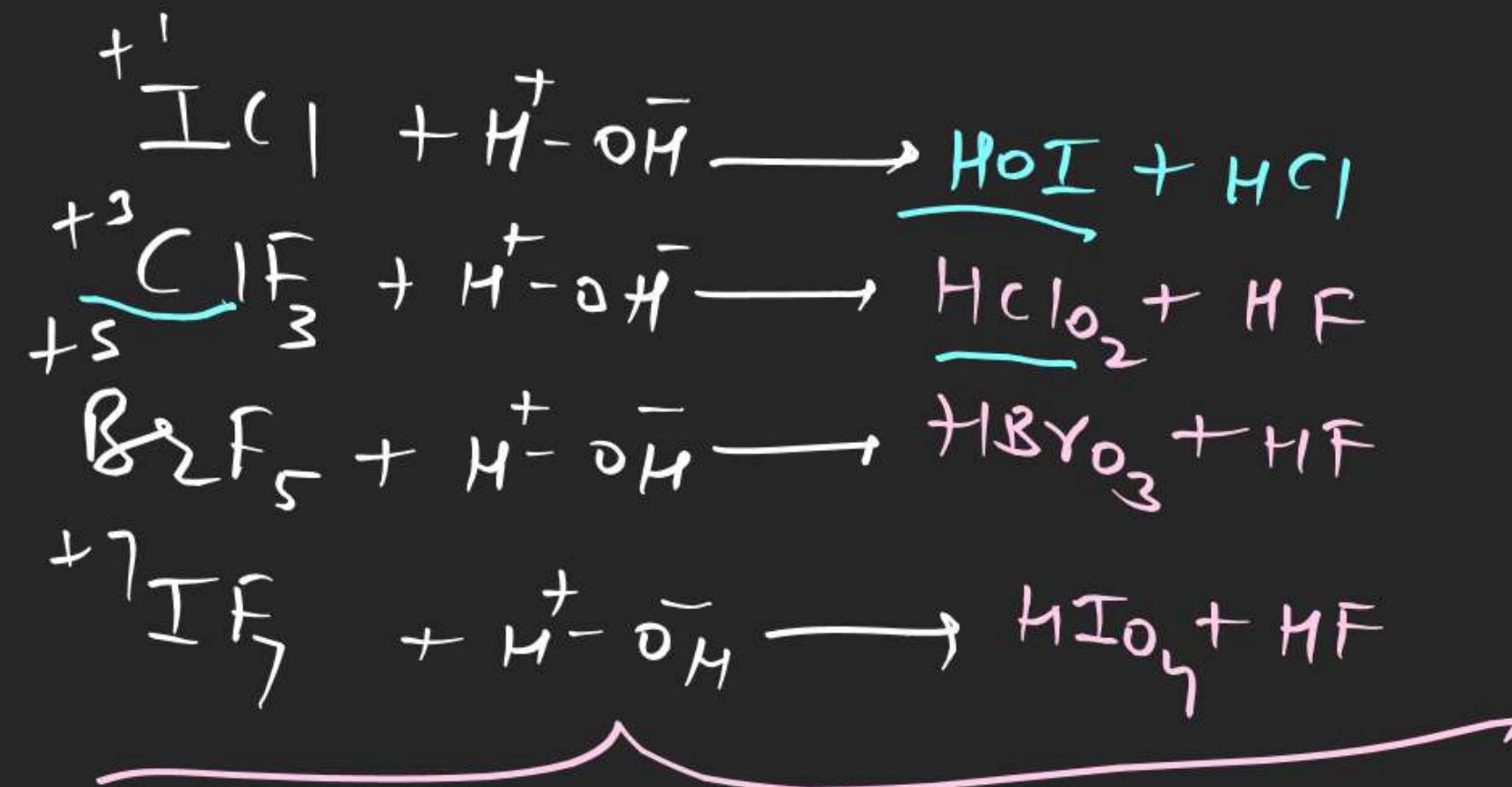
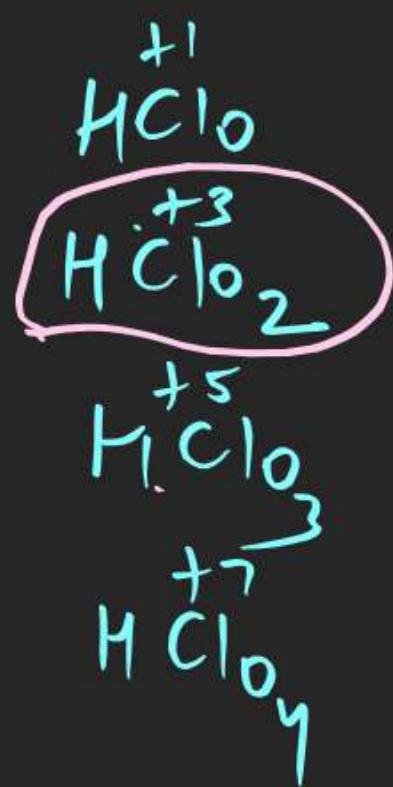


$[\text{SiCl}_6]^{2-}$ does not exist due to steric rep.



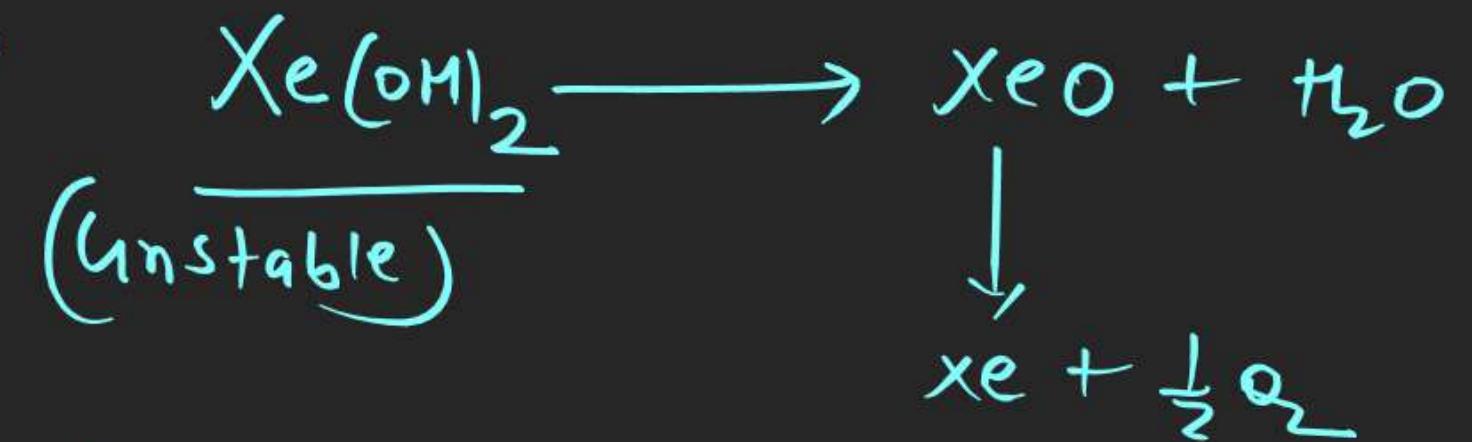


Hydrolysis of Interhalogen Compound

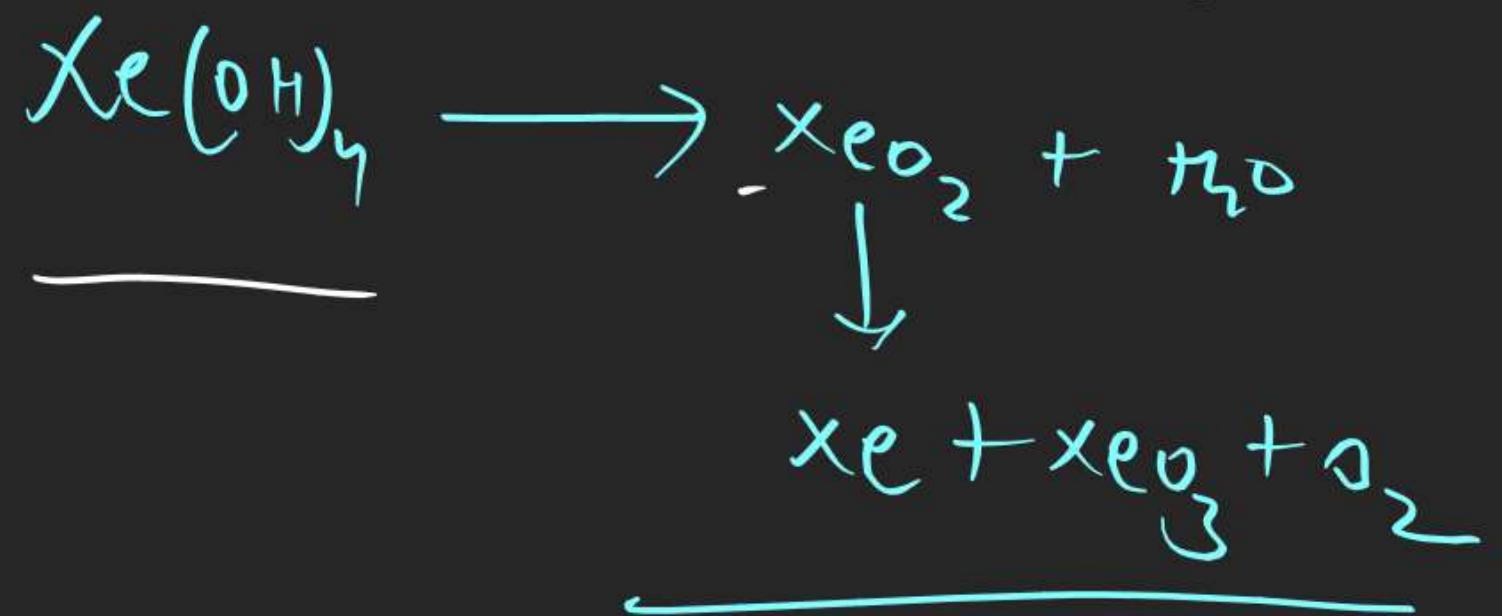


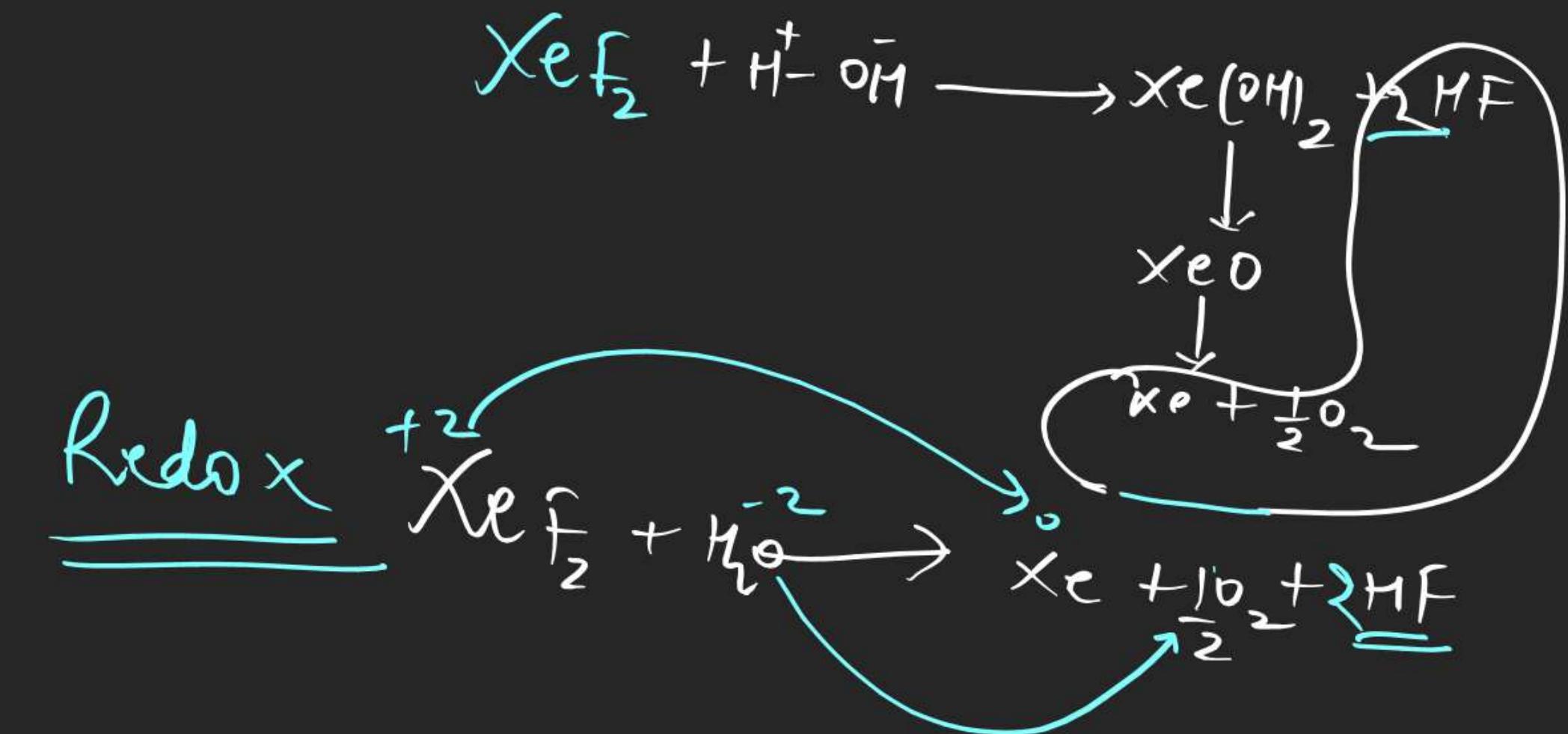
Hydrolysis of noble gas Compound

Note →



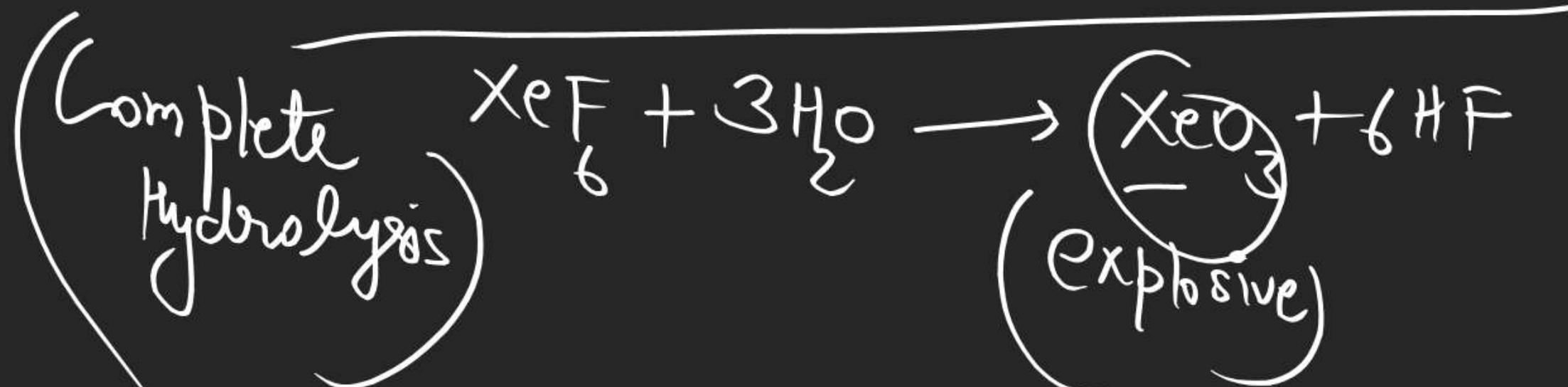
Note →



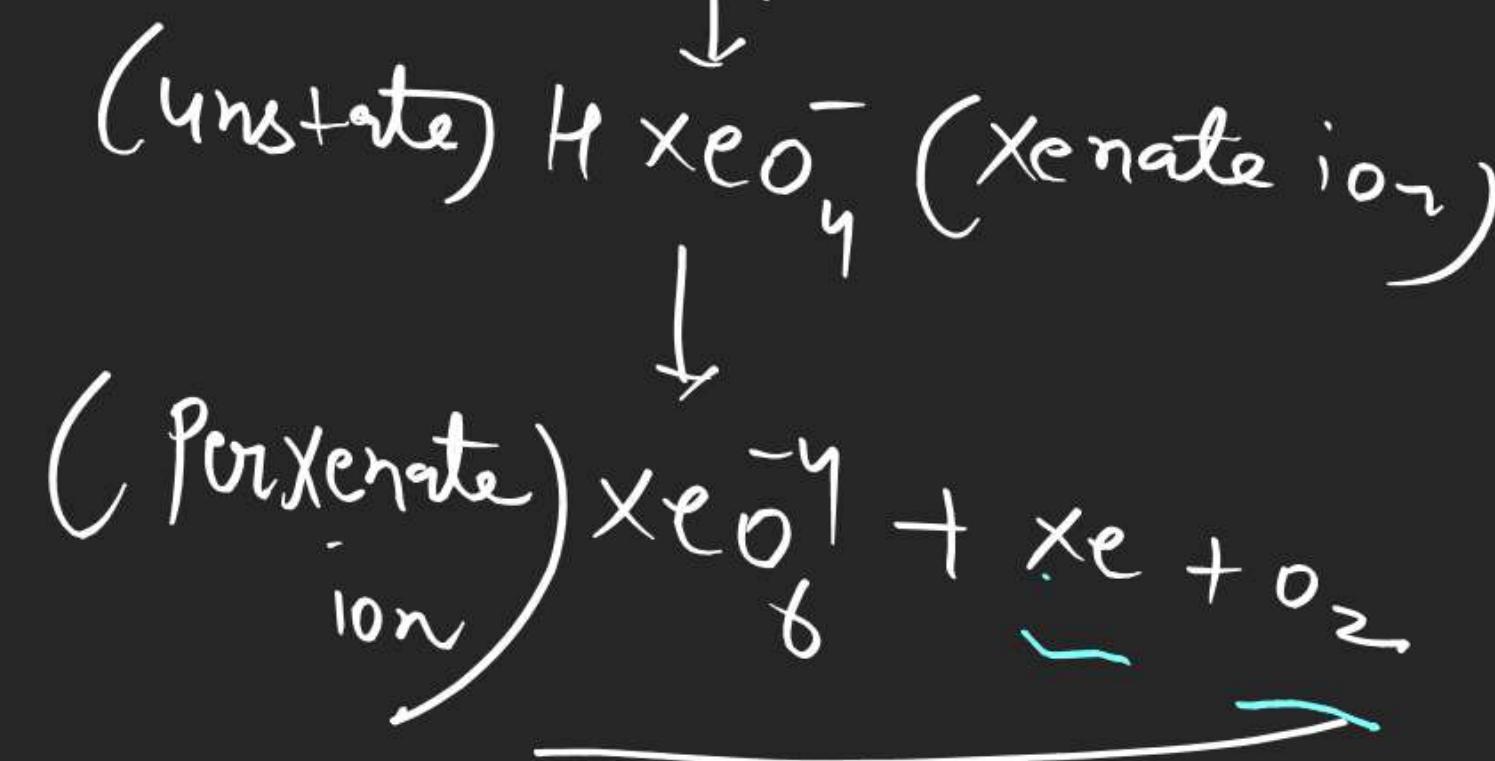
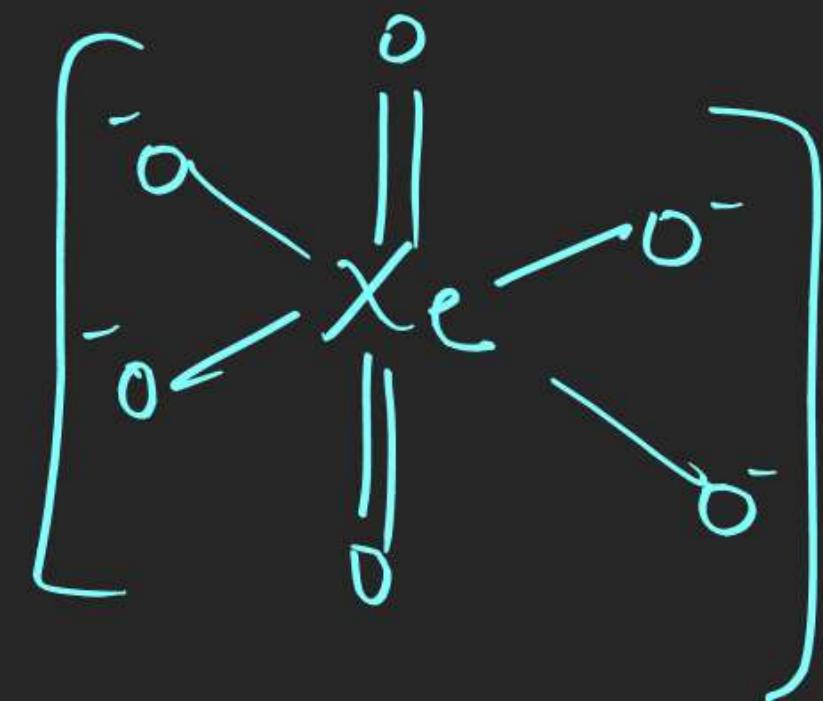
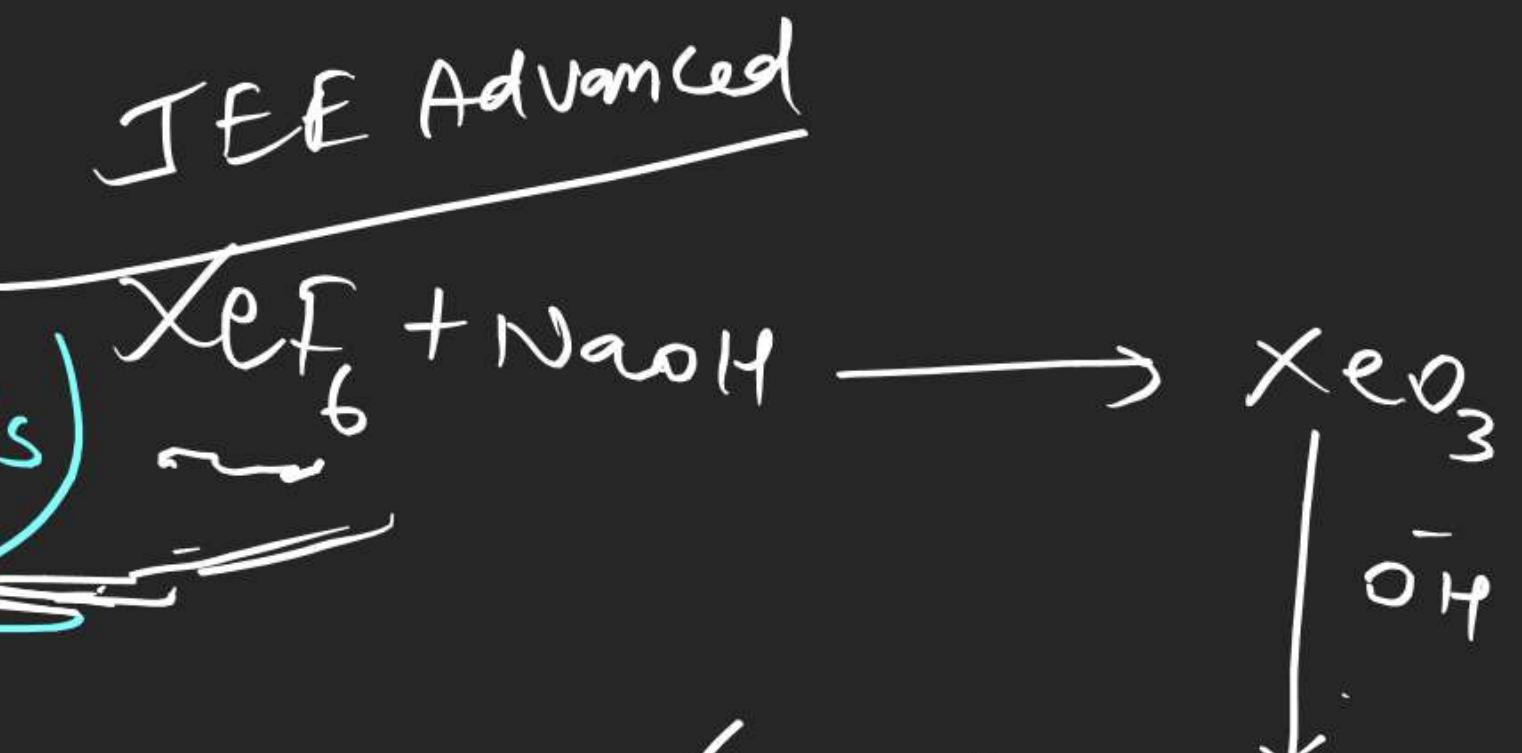


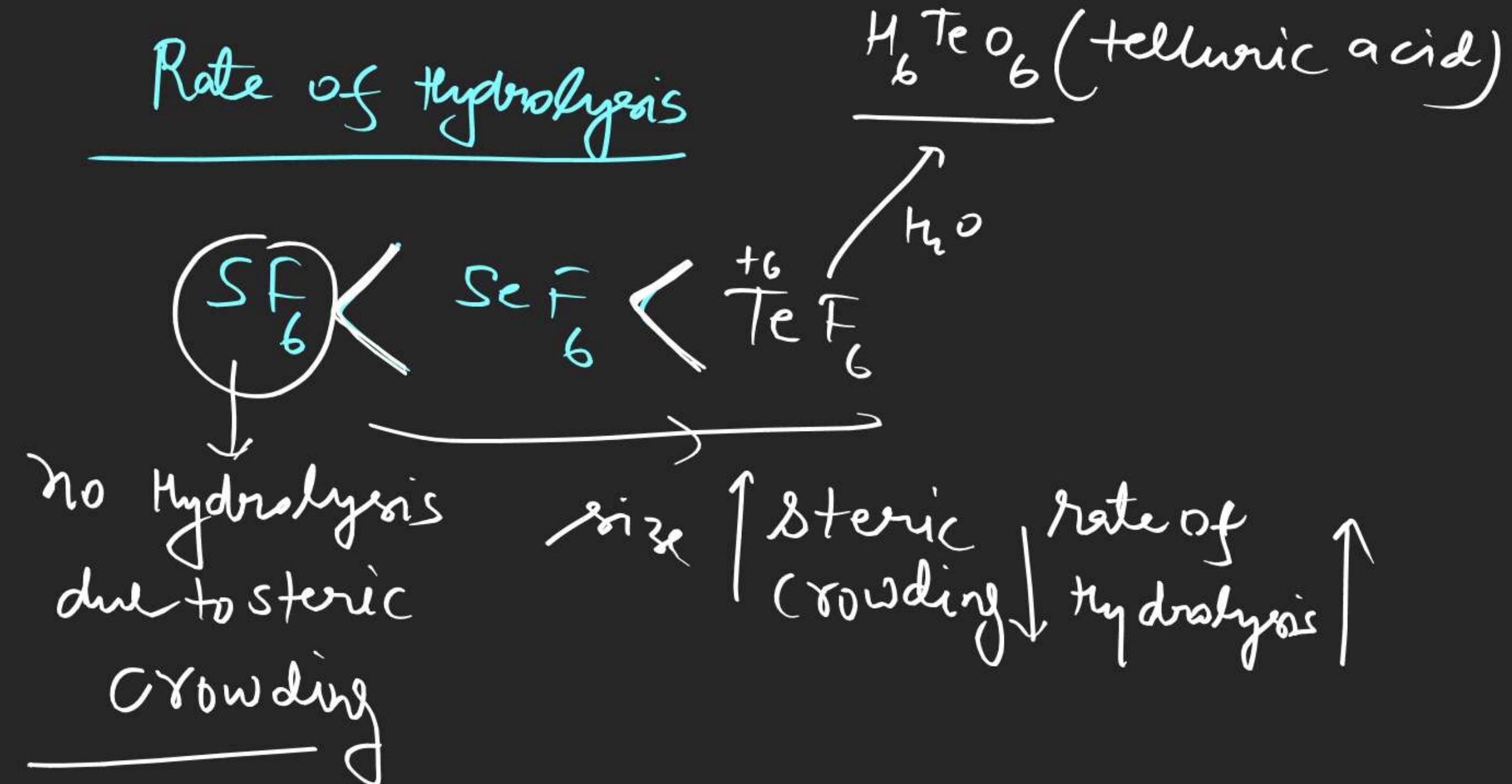


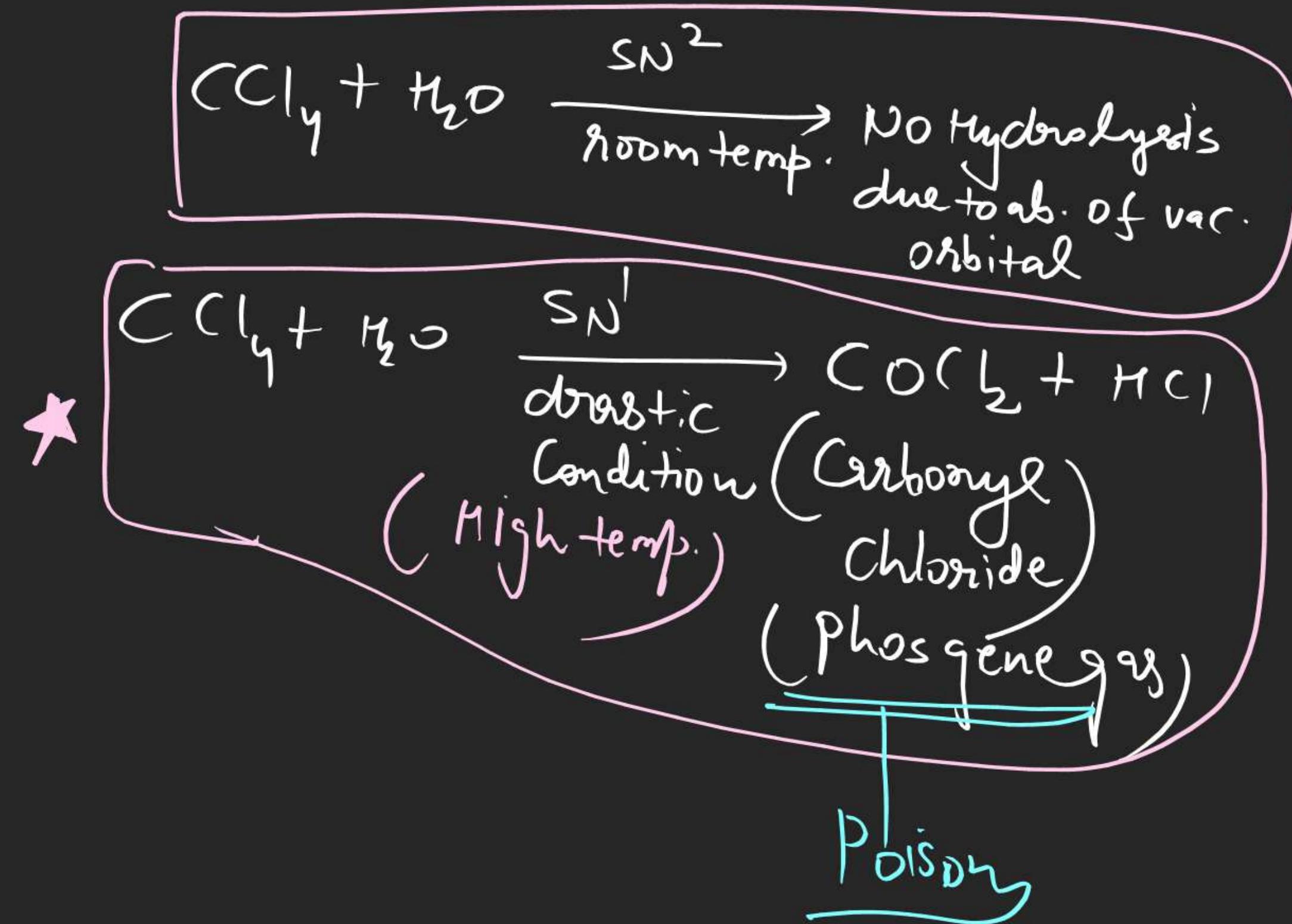
Step wise hydrolysis

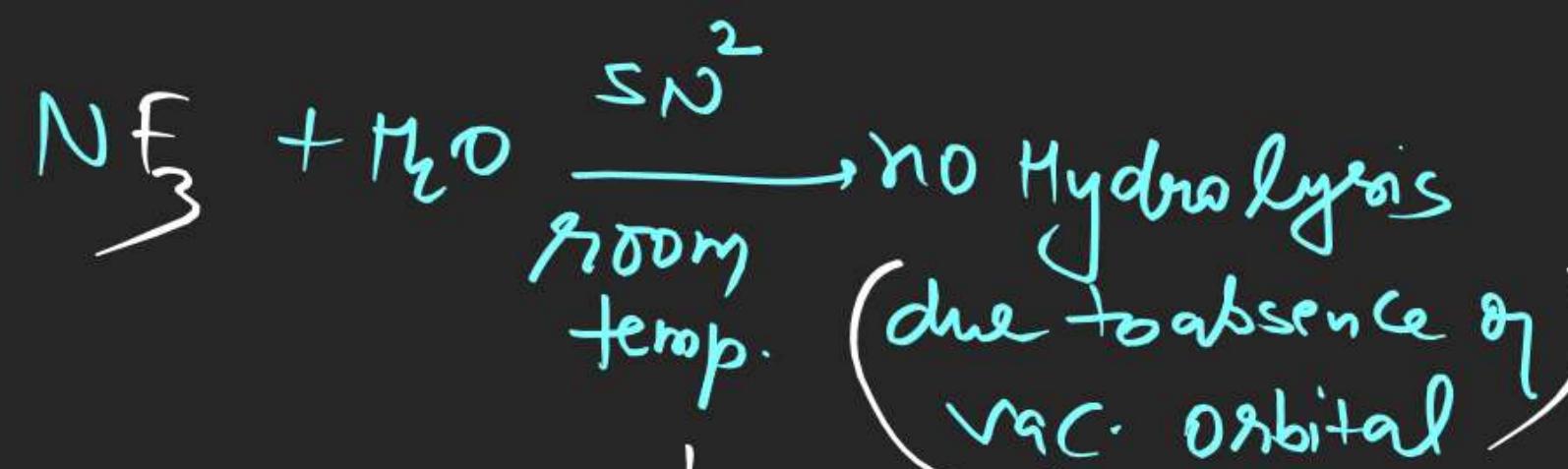


JEE Advanced

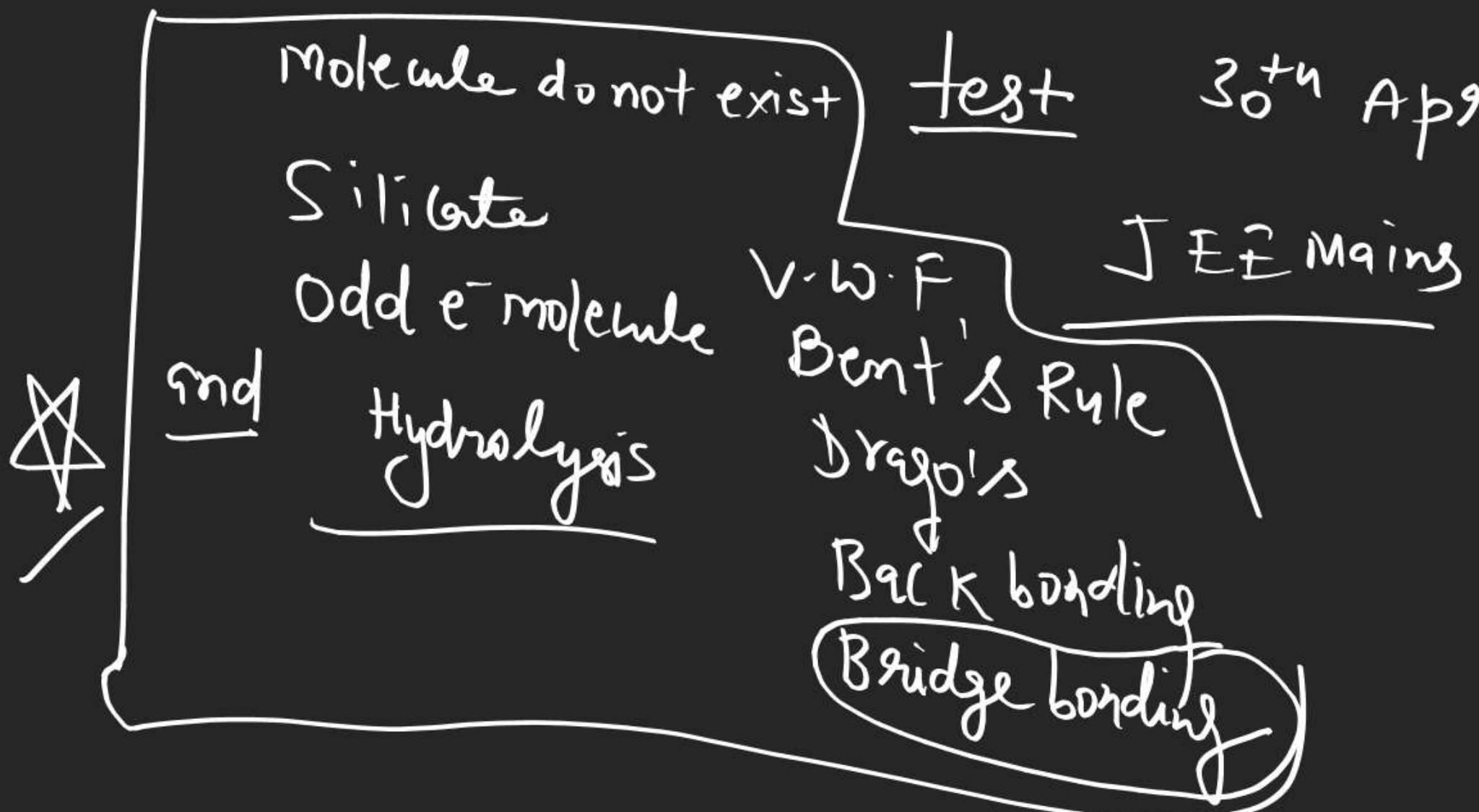


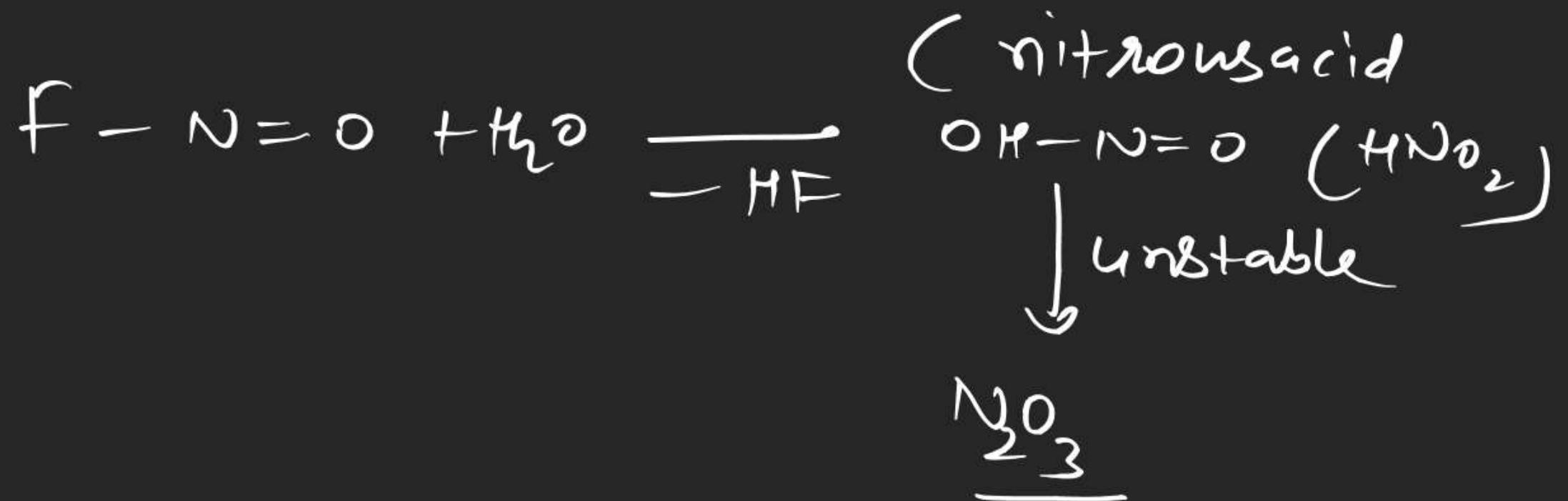


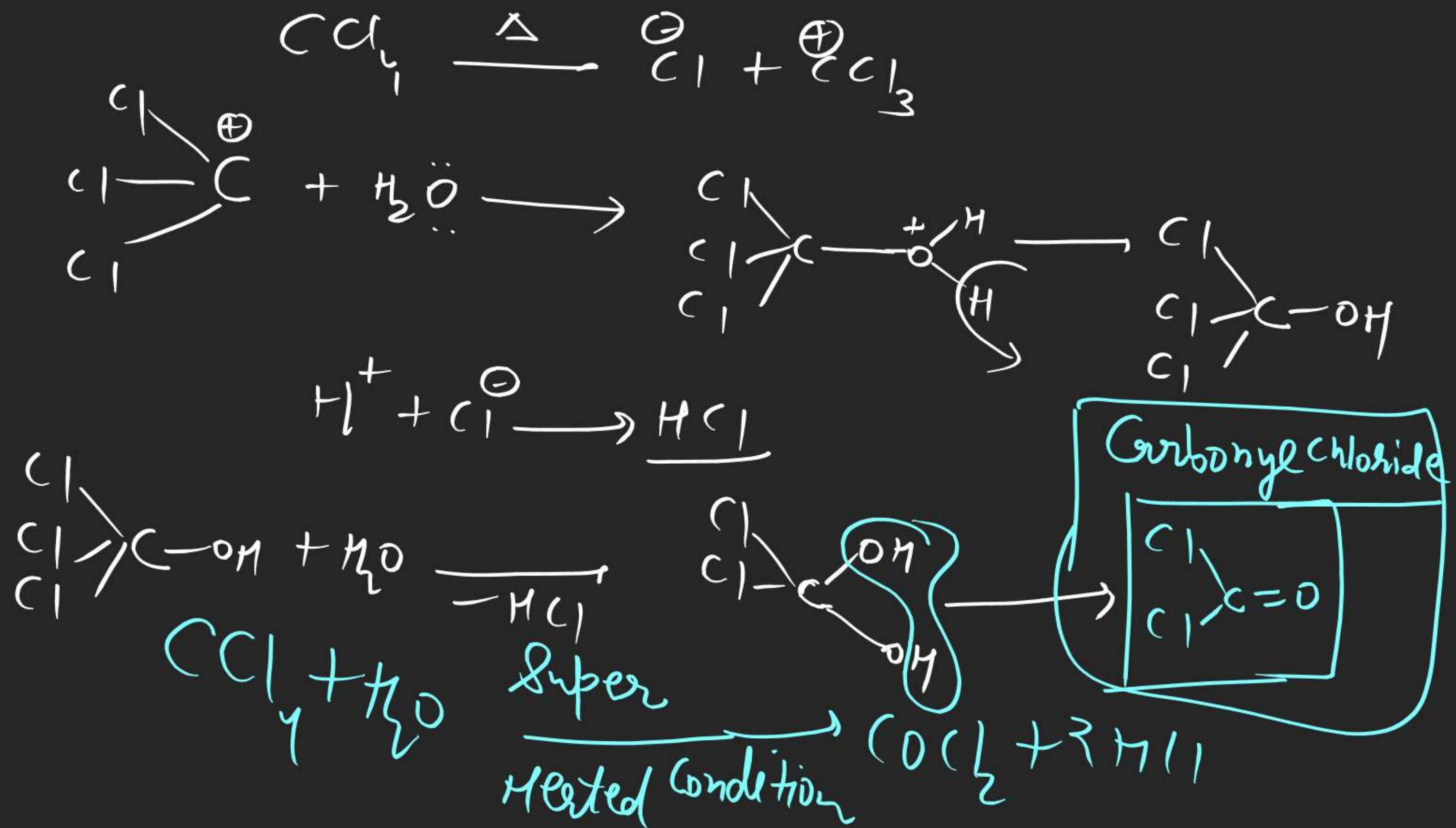




{ DPP → up to Hydrolysis
Sheet → up to Hydrolysis







Ionic Compound [fajan's Rule]