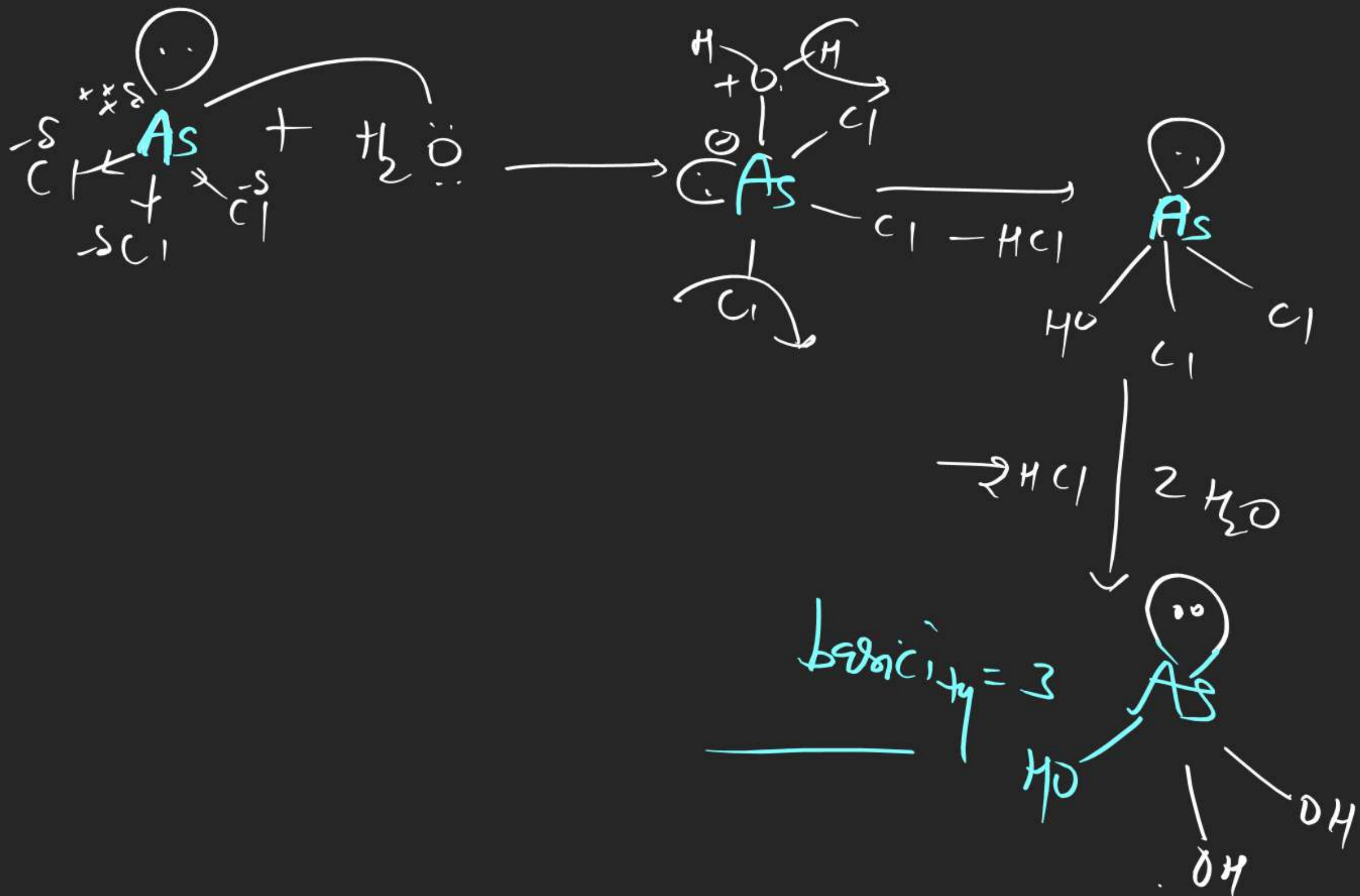


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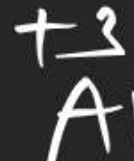
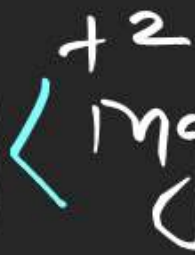


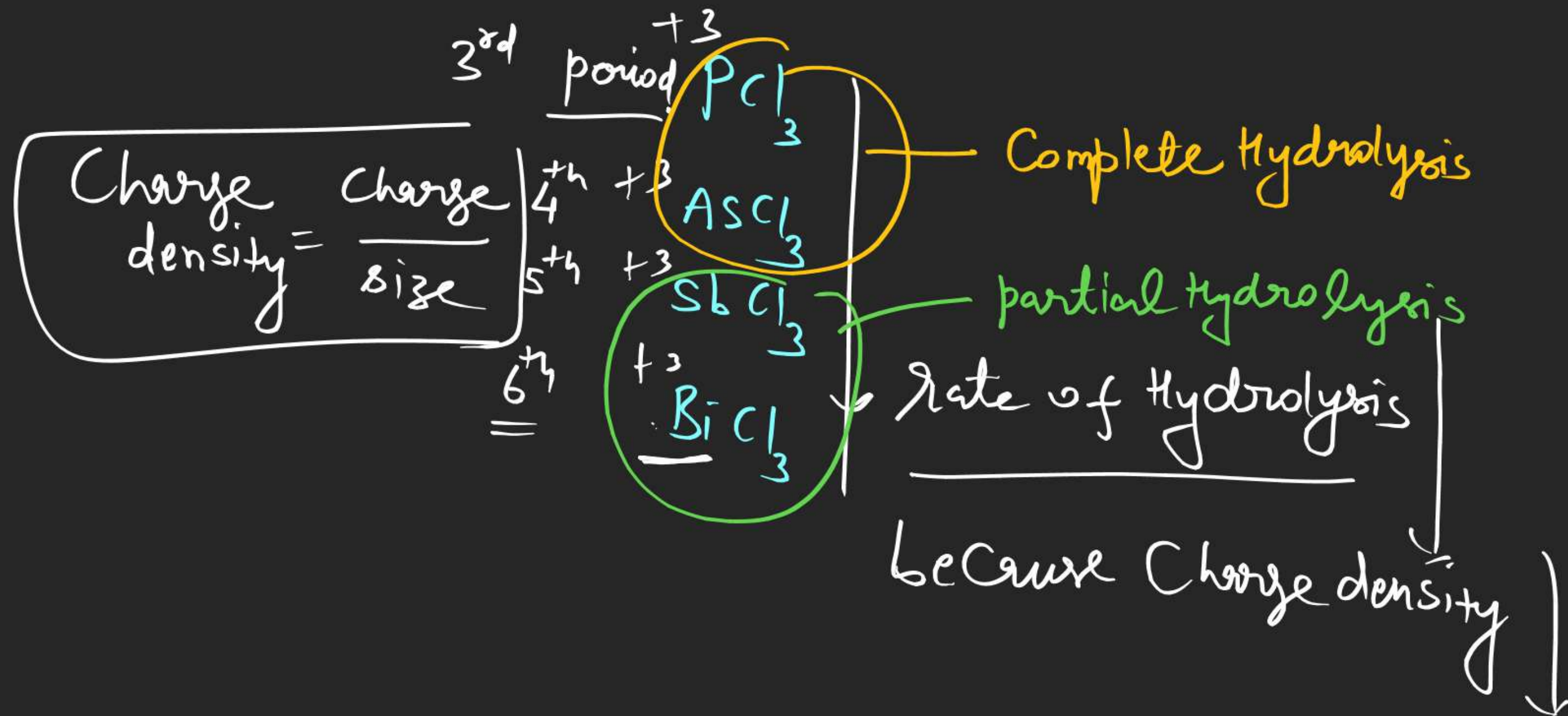
Rate of Hydrolysis

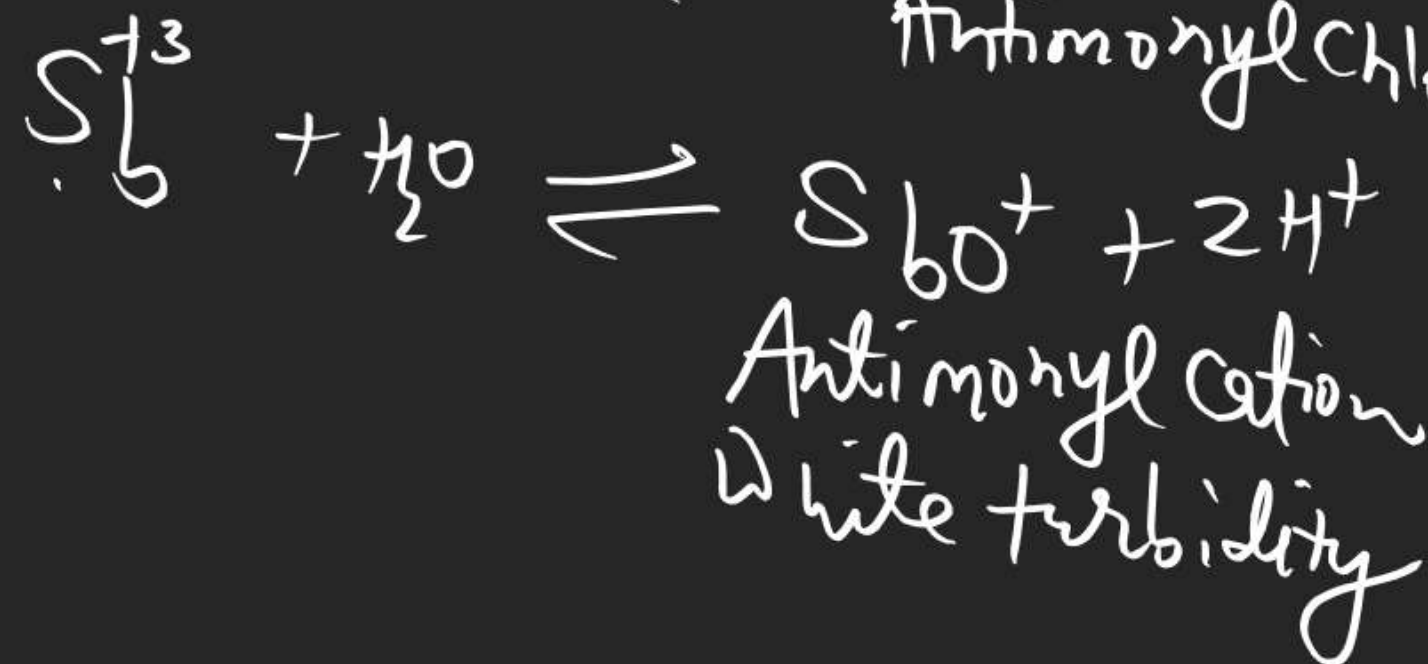
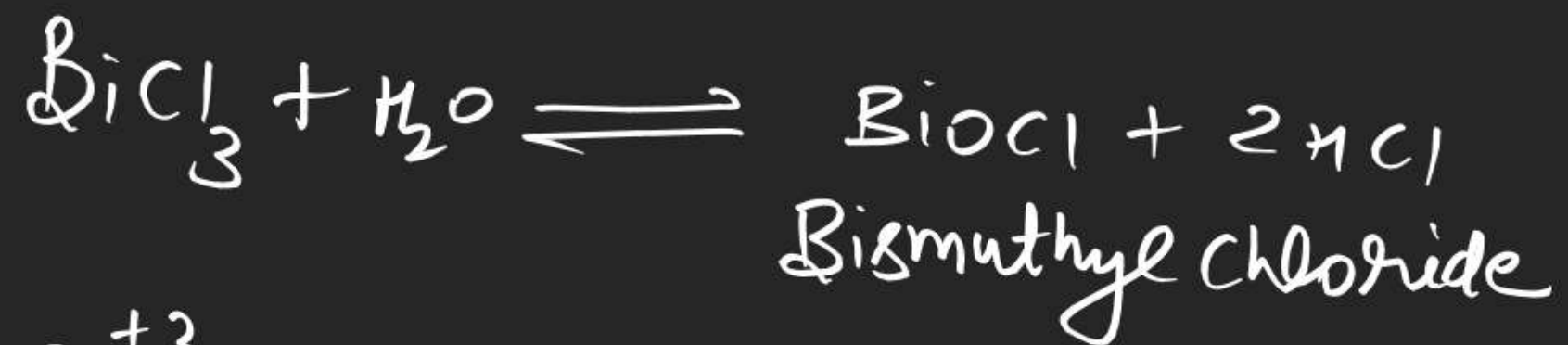
P.V.R.



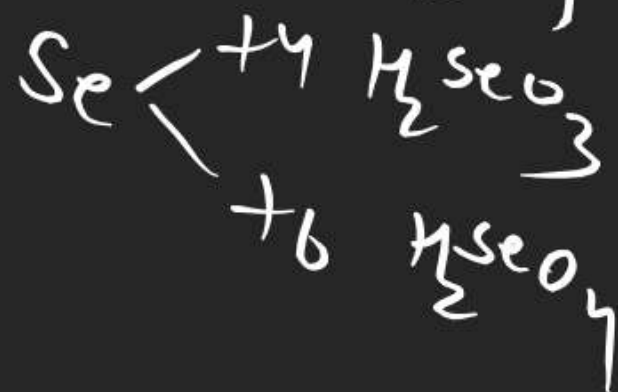
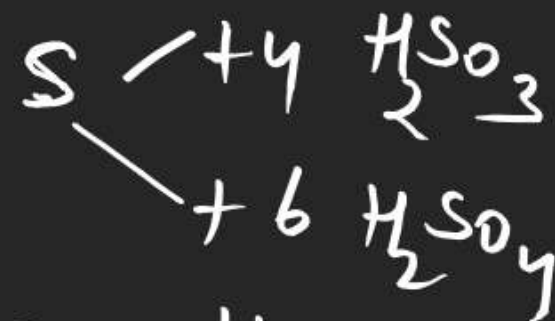
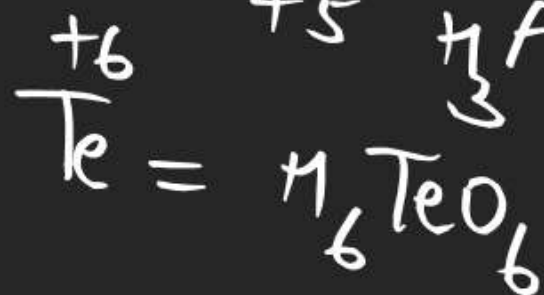
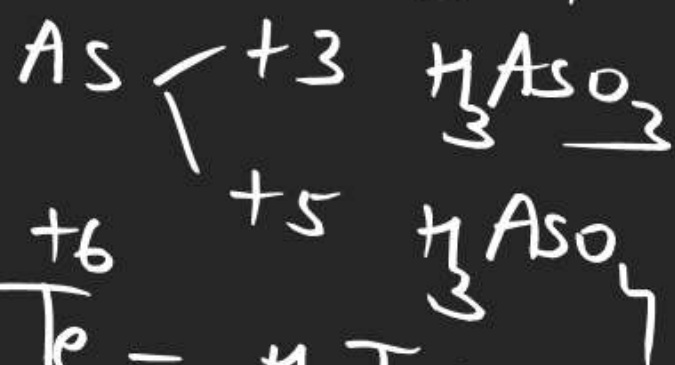
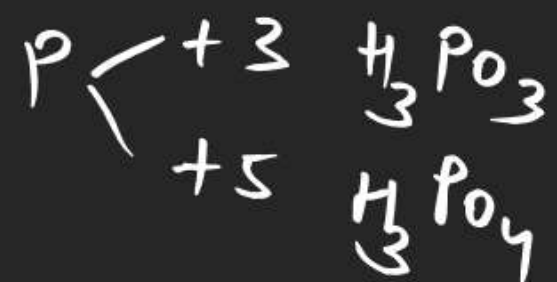
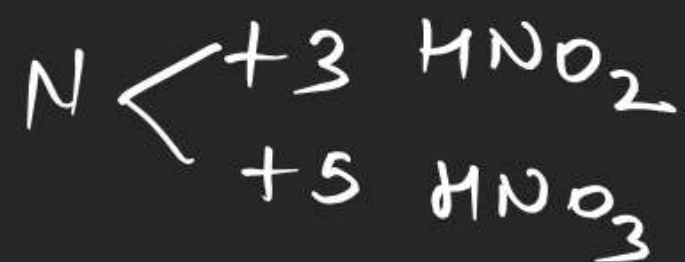
no Hydrolysis
due to absence
of vac-orbital

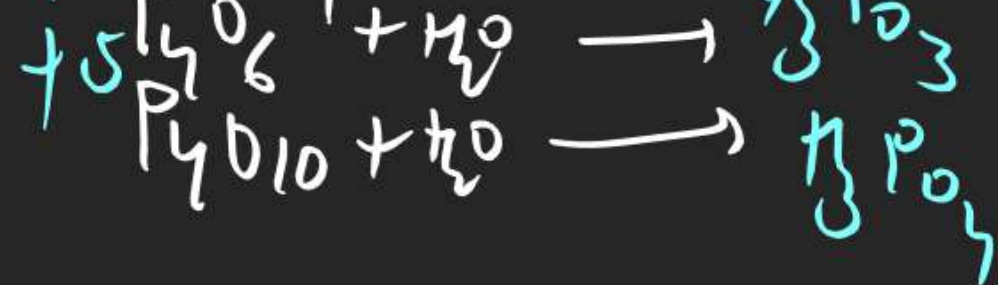
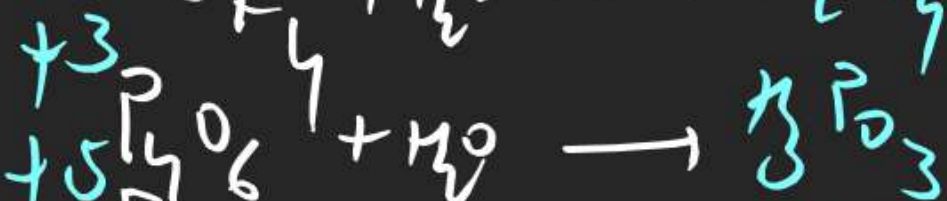
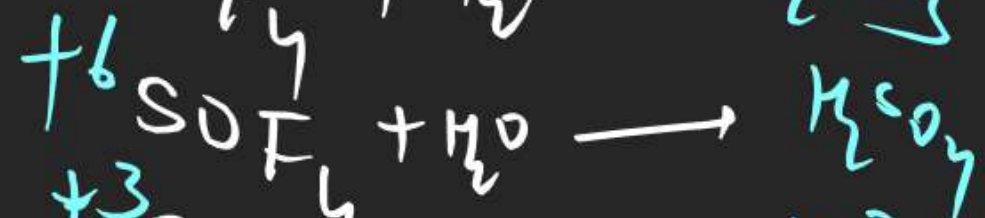
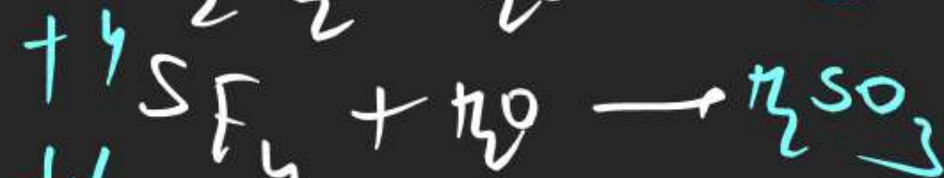
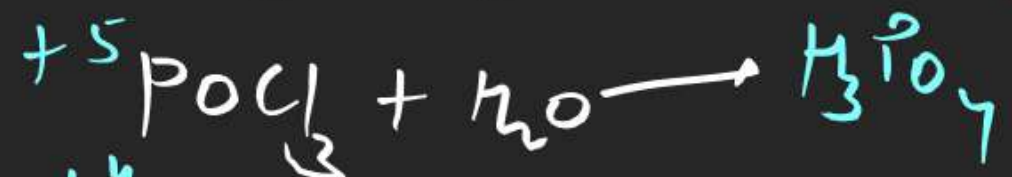
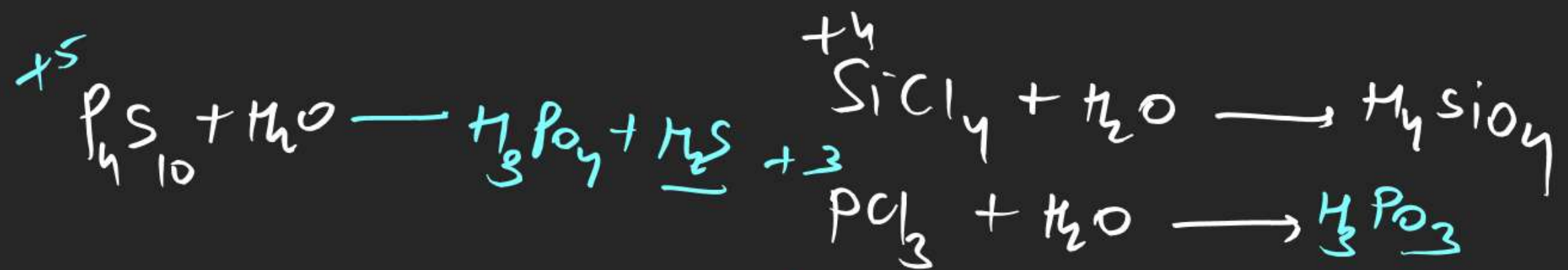




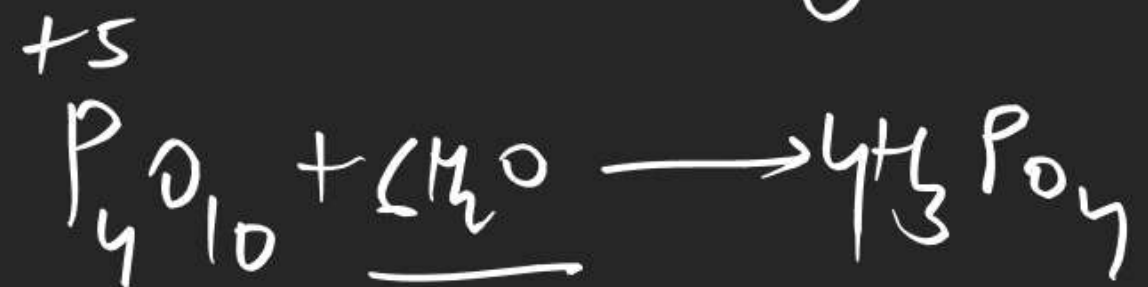


Key point





Ques find the number of water molecule
for complete hydrolysis of P_4O_{10}



Ques find the number of water
for complete Hydrolysis of P_4O_6



$$x + (-2) + 4(-1) = 0$$

$$\underline{x = +6}$$



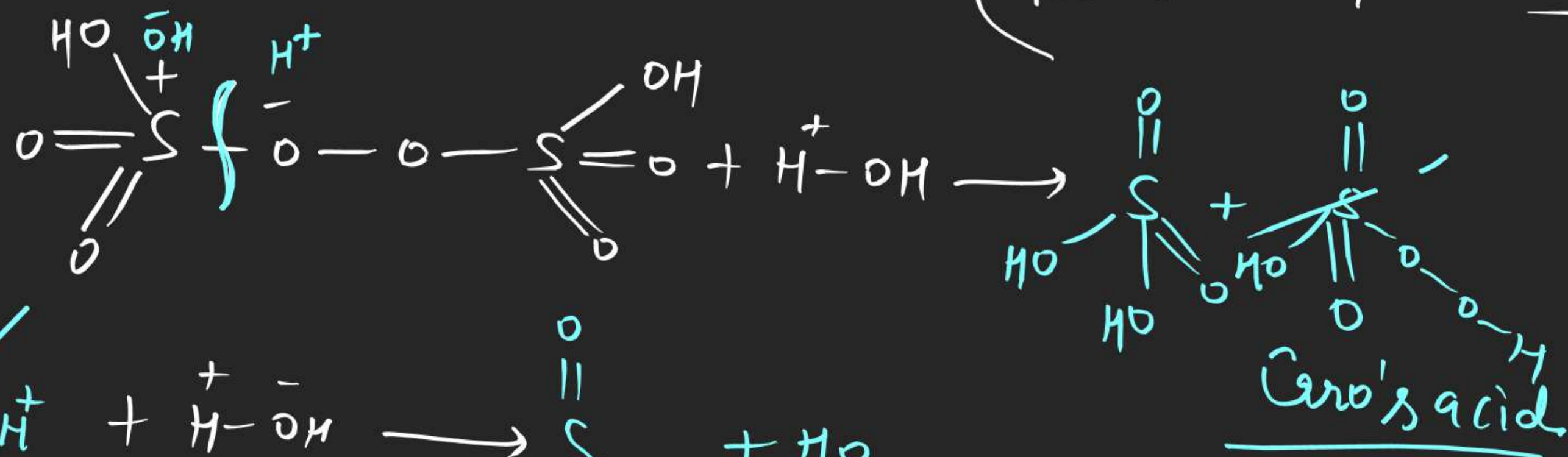
$$4x + 6(-2) = 0$$

$$4x = 12$$

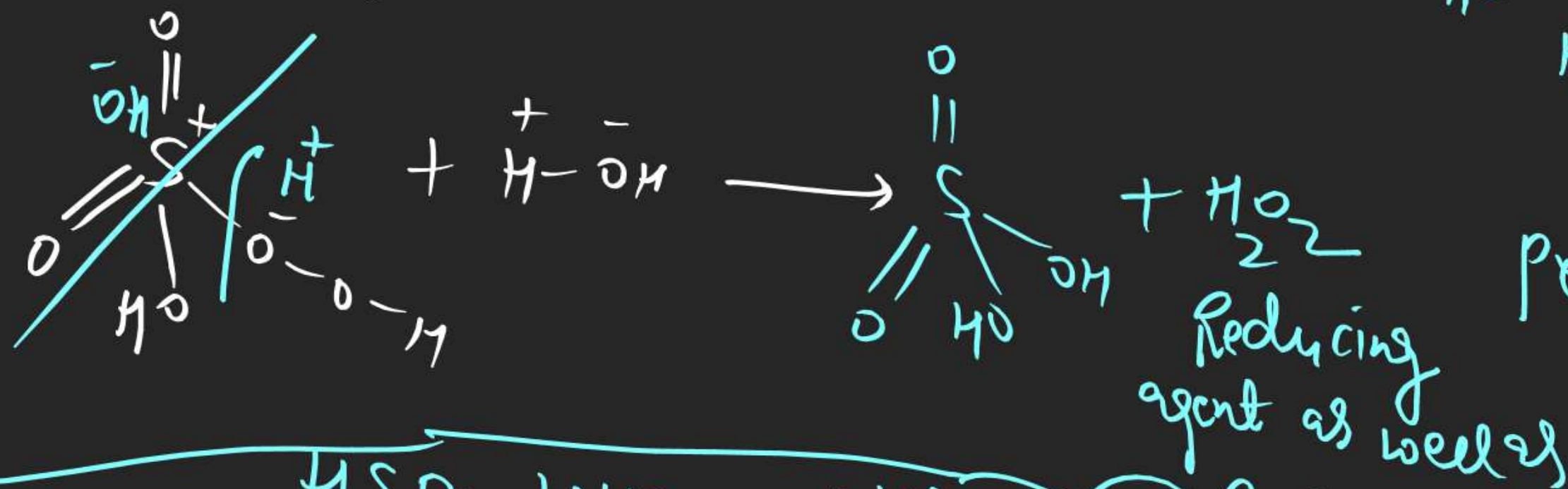
$$x = \underline{3}$$

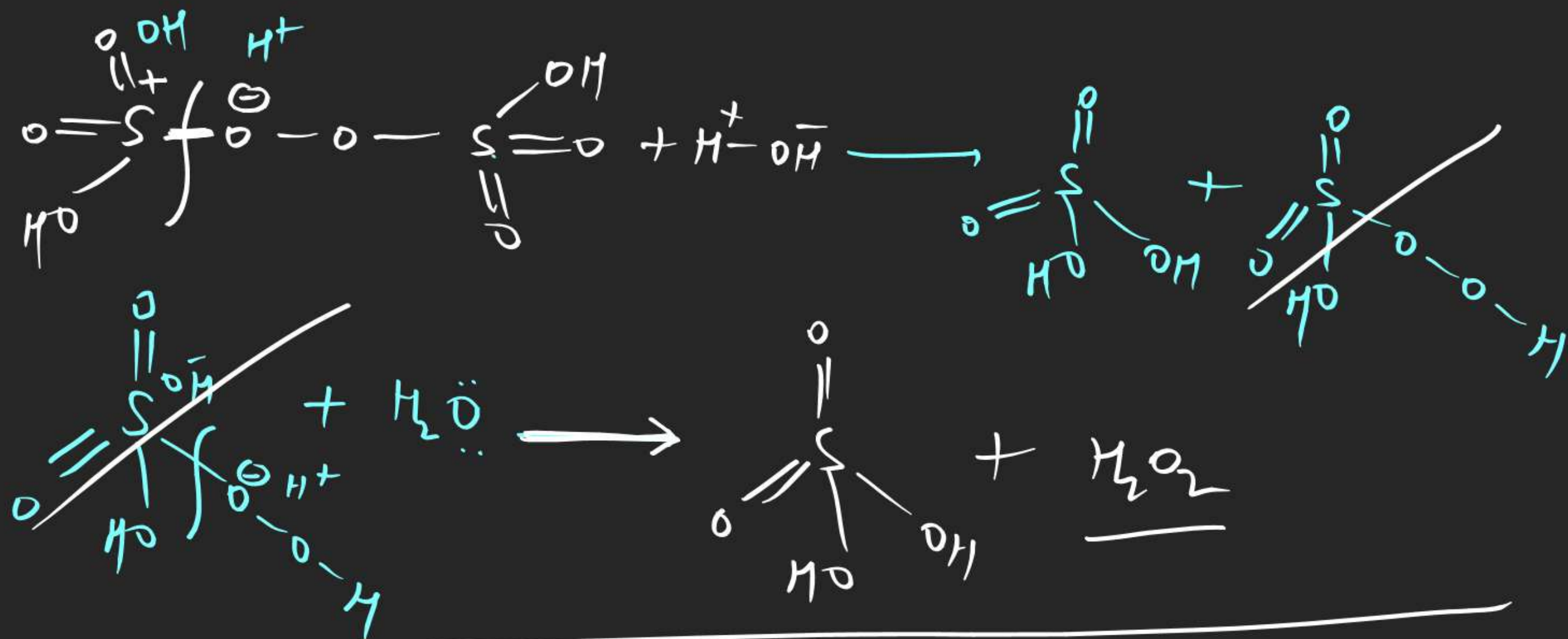
Hydrolysis of Marshall's acid ($H_2S_2O_8$)

(Peroxy disulphuric acid)

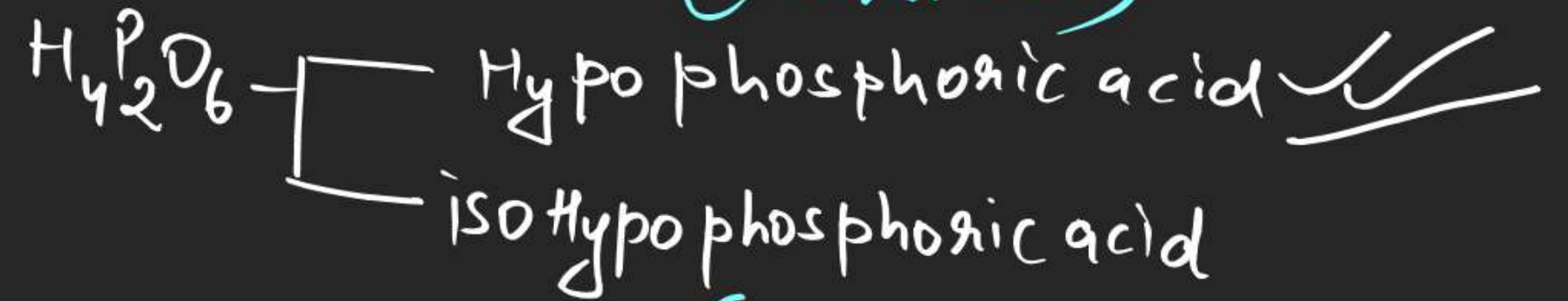


Peroxomonosulphuric acid

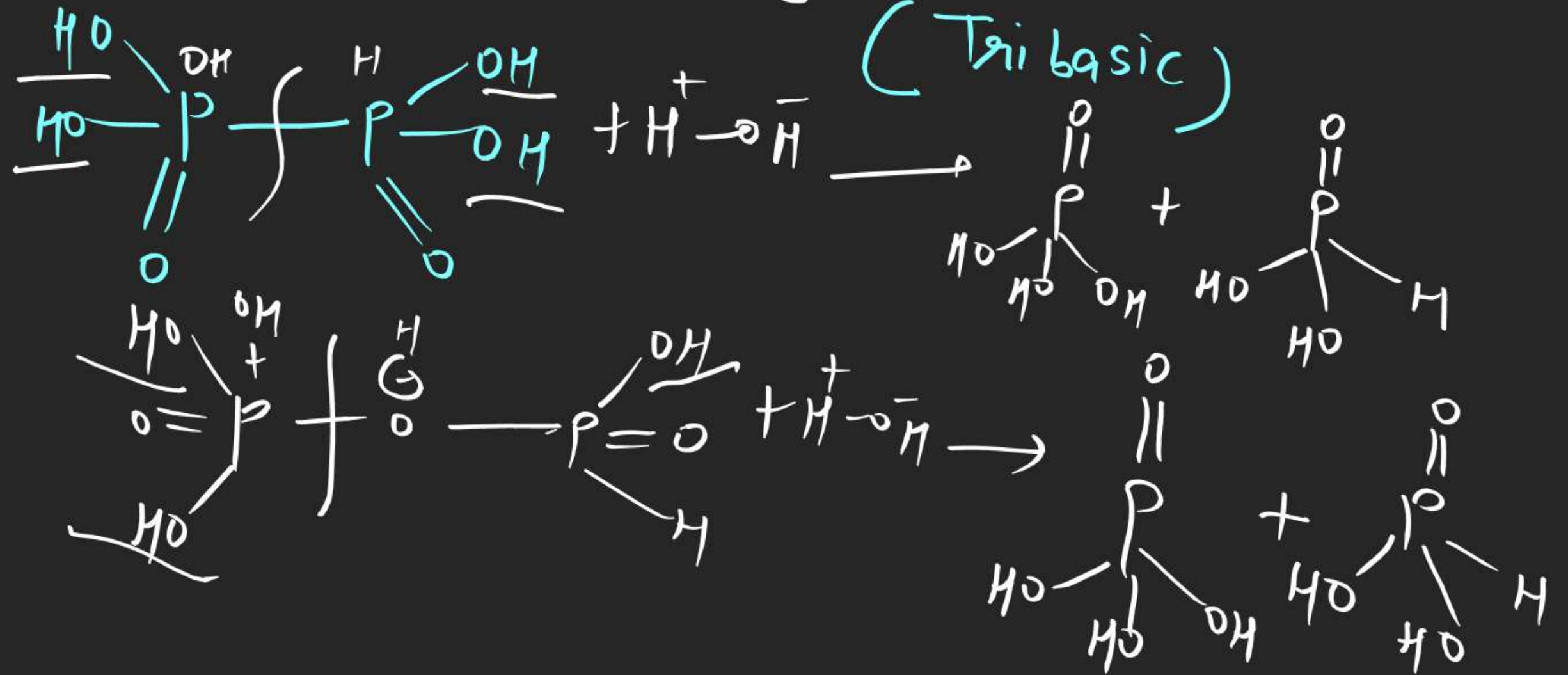




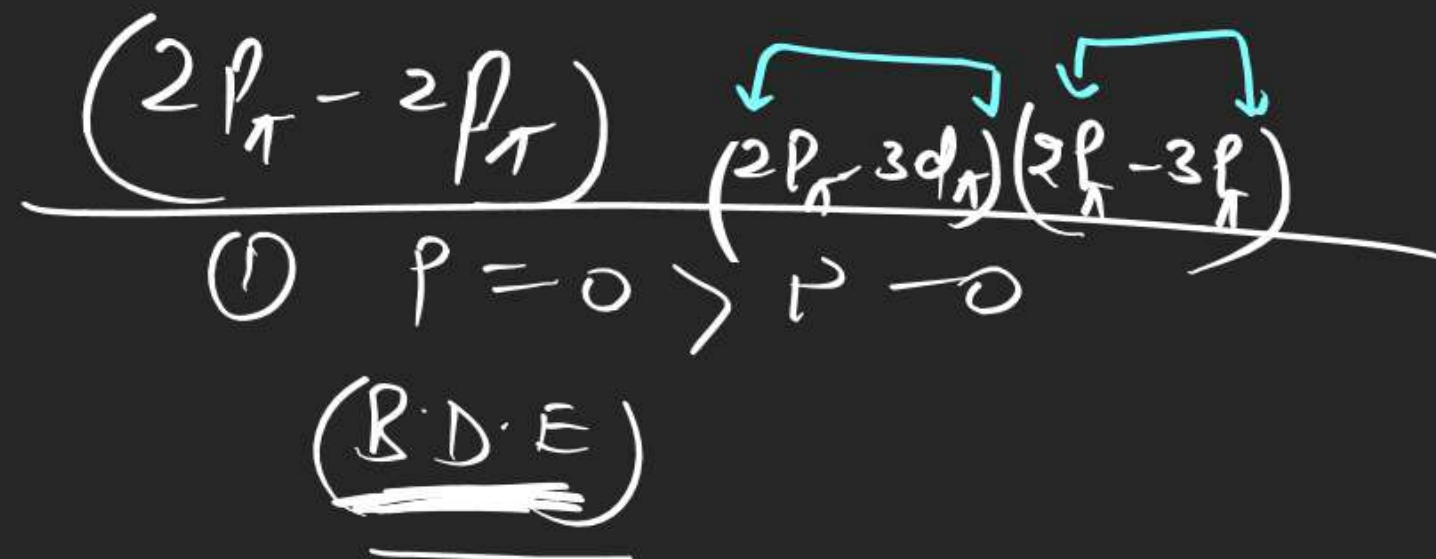
(Tetrahedral)



(Triangular)

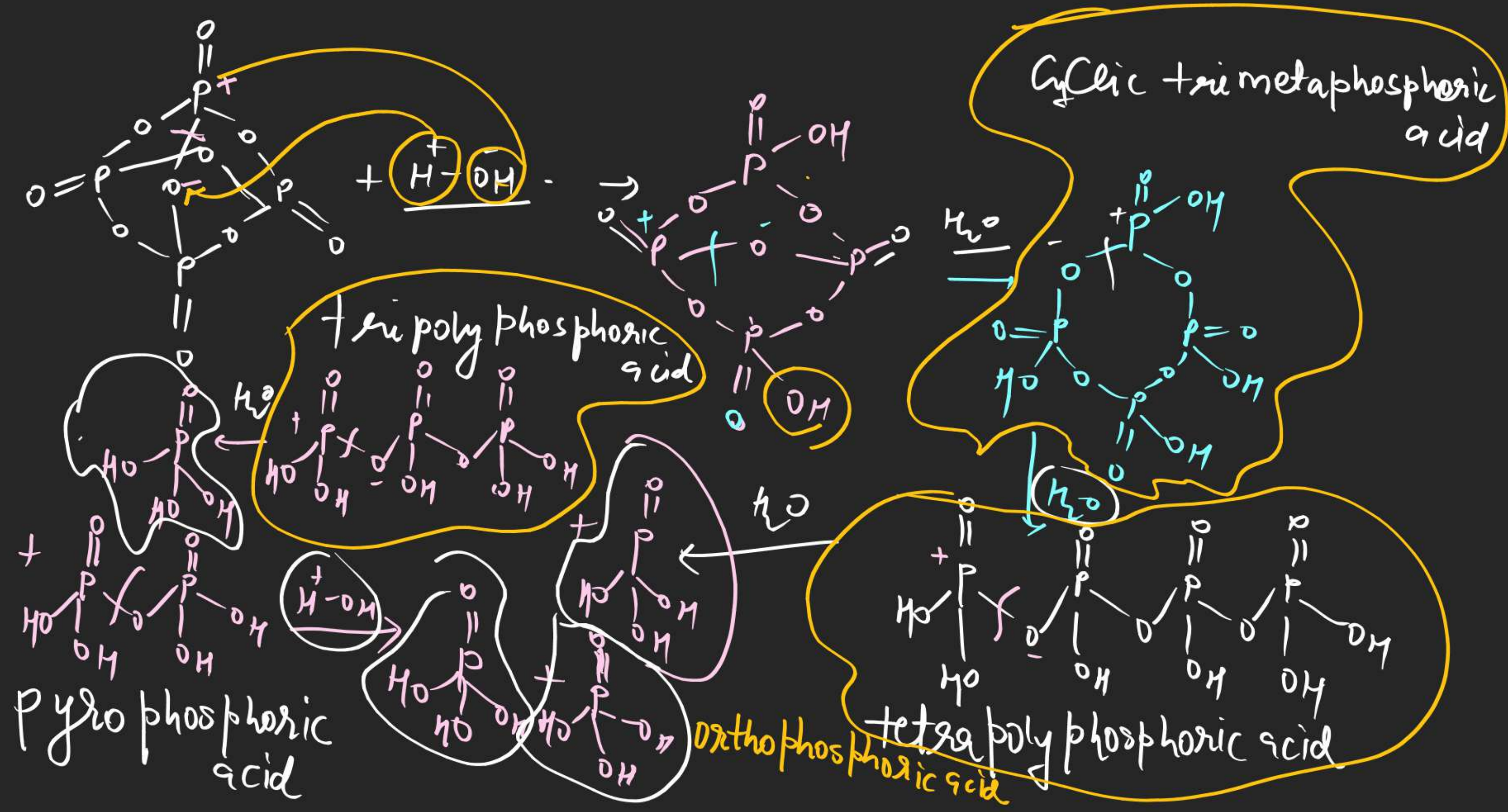


Condition of proton transfer step.

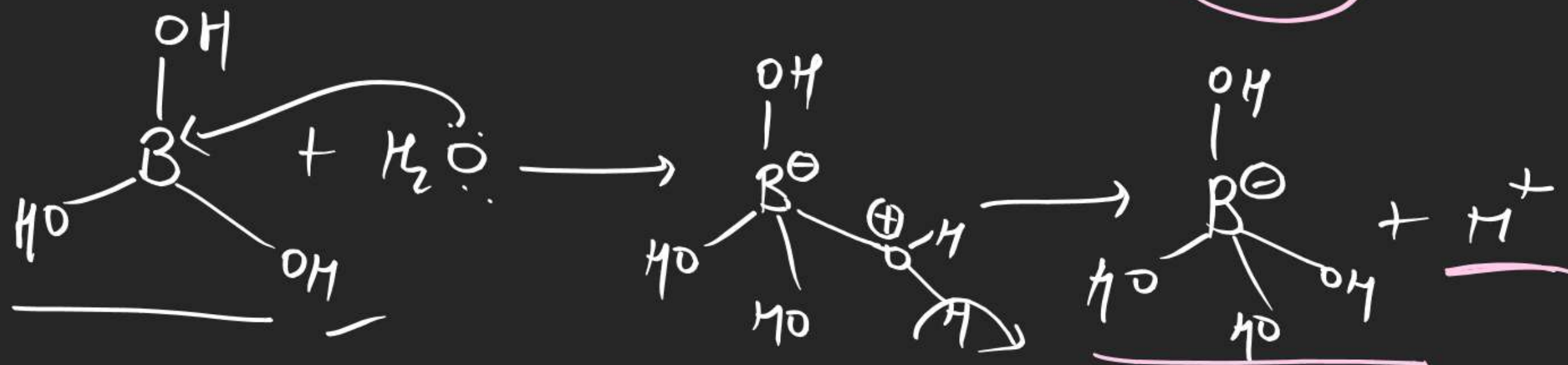
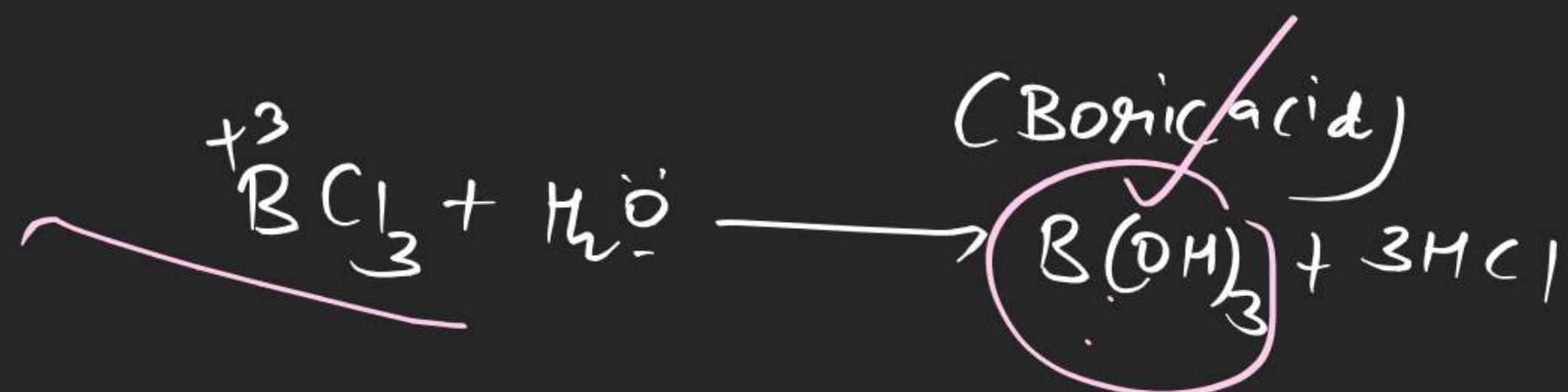


② Central atom should have l.p

③ acidic hydrogen should be present



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Note \Rightarrow Boric acid is a weak monobasic Lewis acid. Borate ion
 it is not a proton acid because it accepts l.p