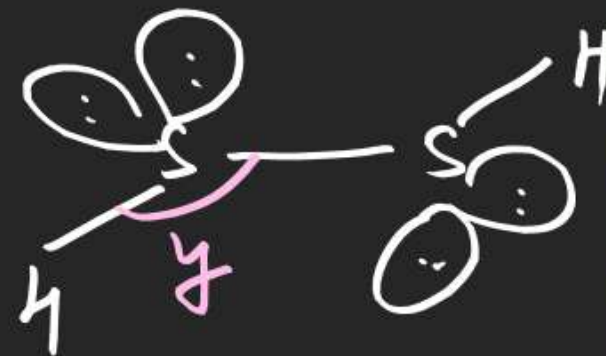
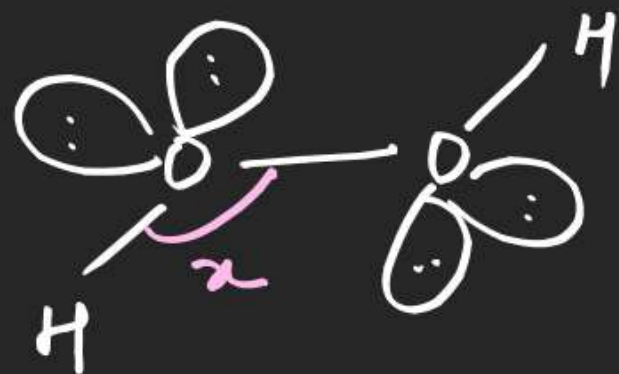


$\begin{matrix} \text{O} \\ \text{S} \\ \text{Se} \\ \text{Te} \end{matrix}$ | down the group ↓

$$B.A \propto E.N \text{ of } C.A$$

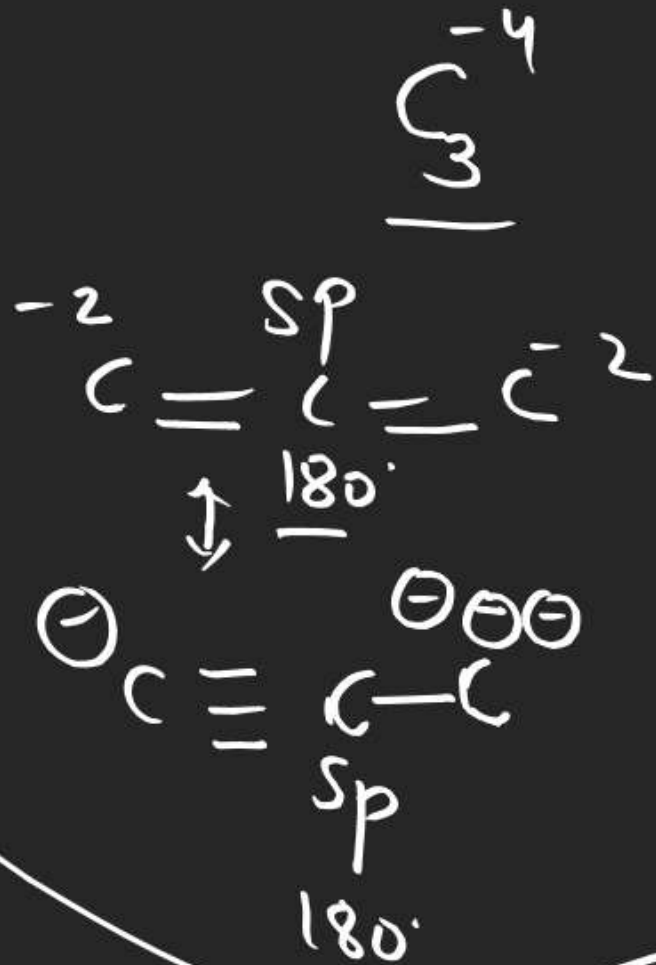
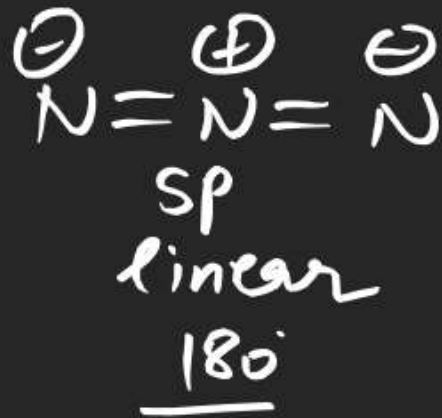
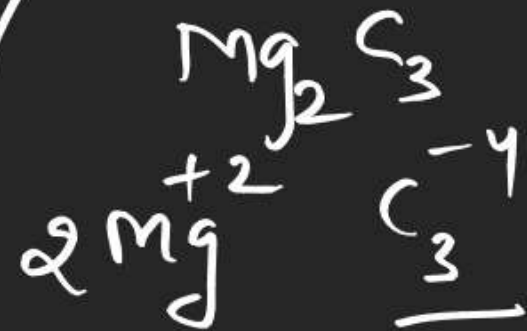
$$B.A \propto \frac{1}{E.N \text{ of } S.A}$$



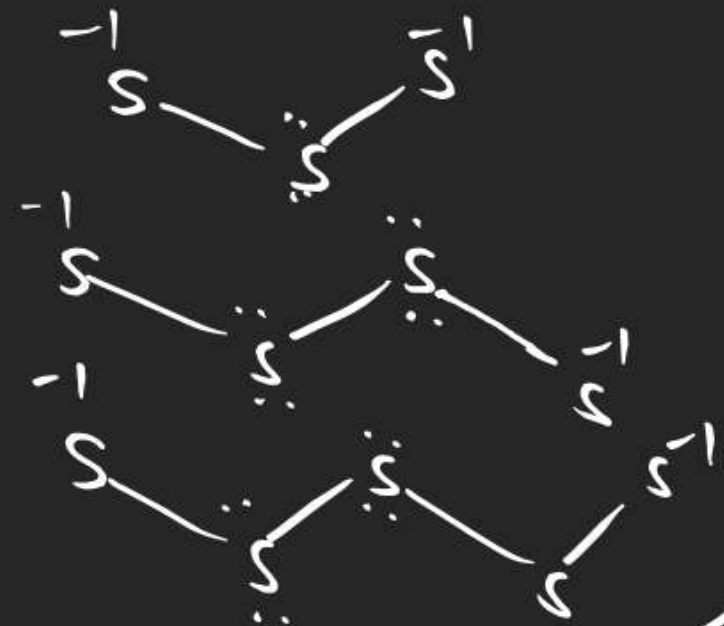
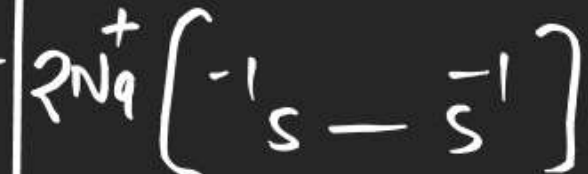
$$B.A \quad \alpha > \gamma$$



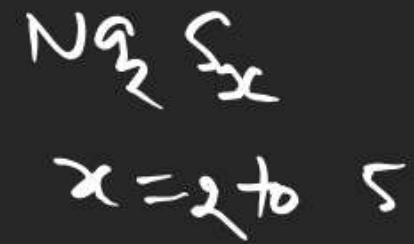
$$\alpha < \gamma$$



$$\frac{0}{\pi} = \frac{1}{2}$$

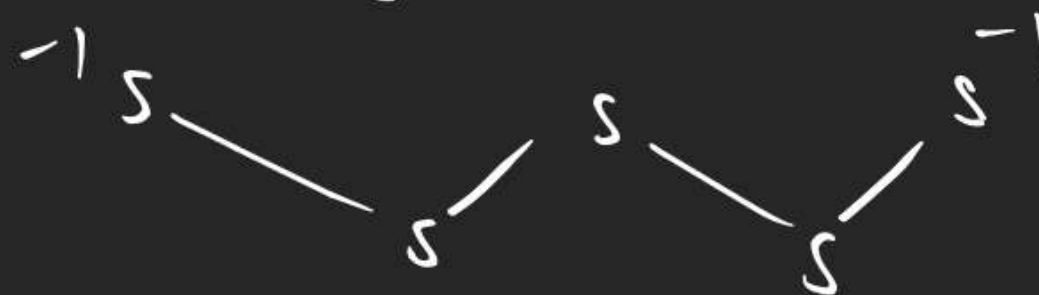


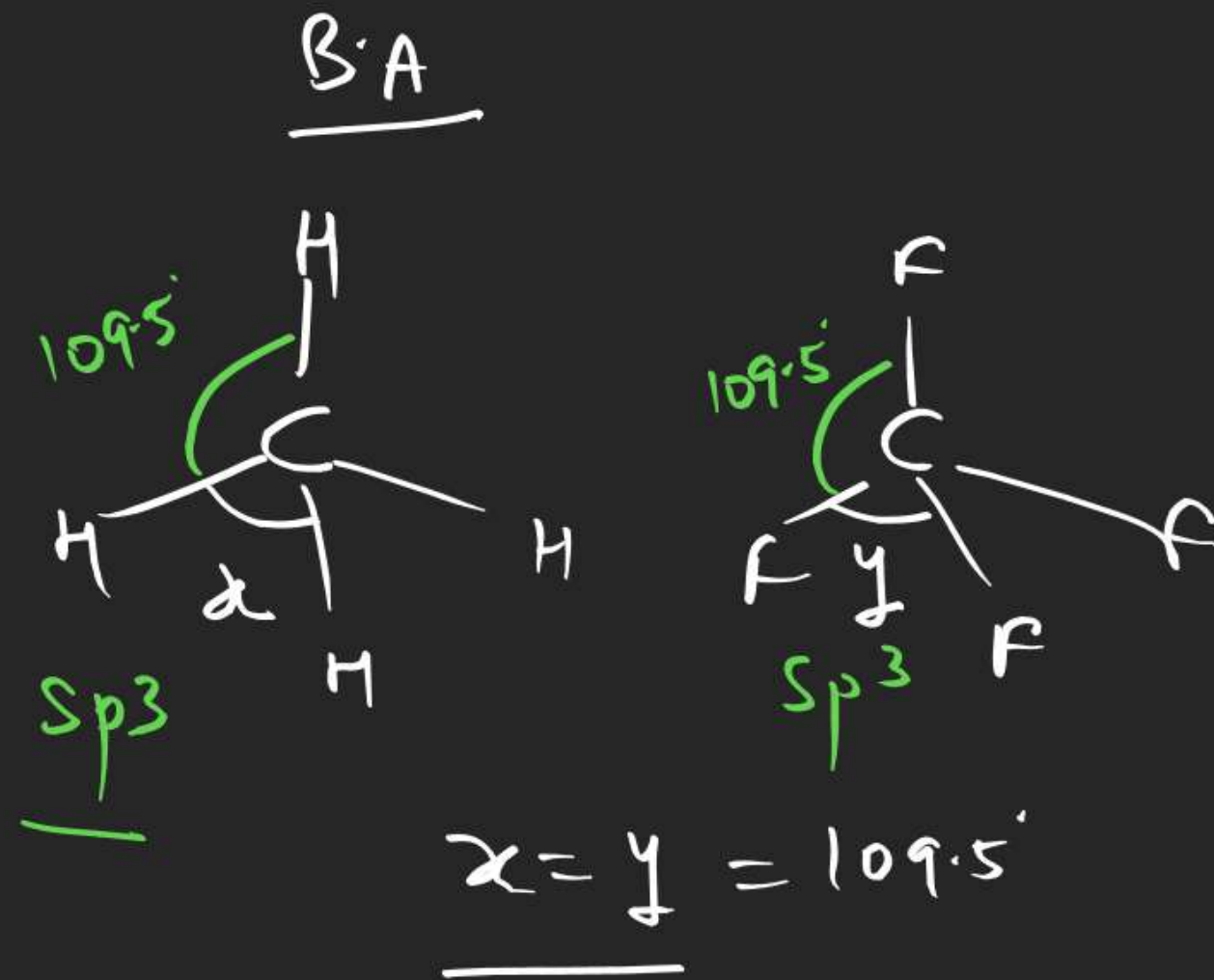
poly sulphide series

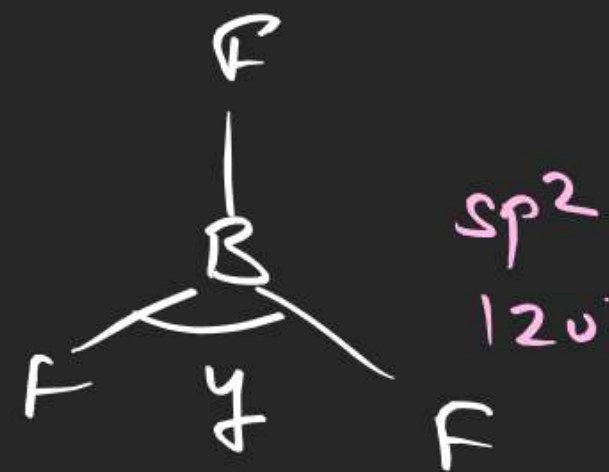
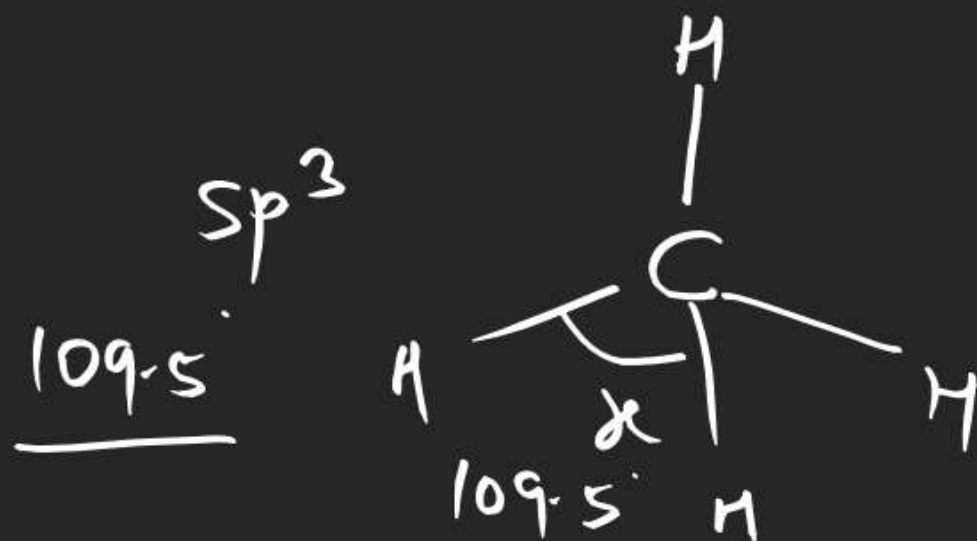




$$x = 2 \text{ to } 5$$

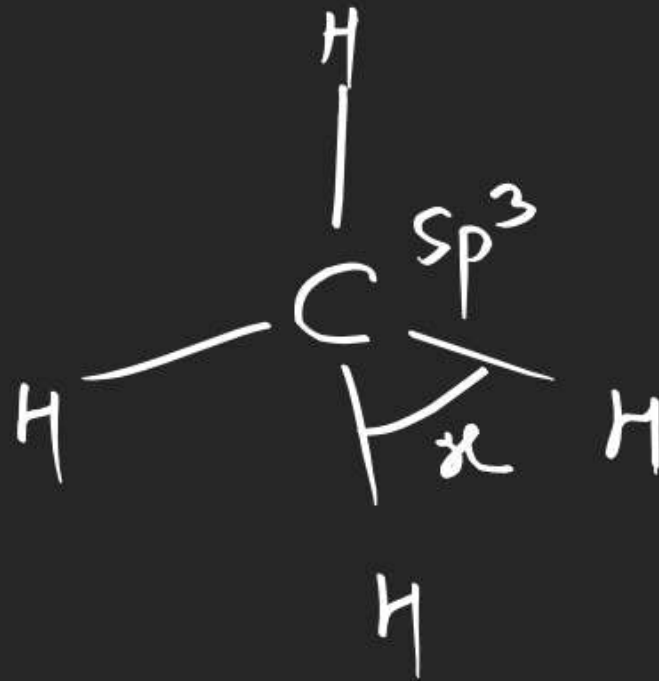






B.A

$\alpha < \gamma$



B.A

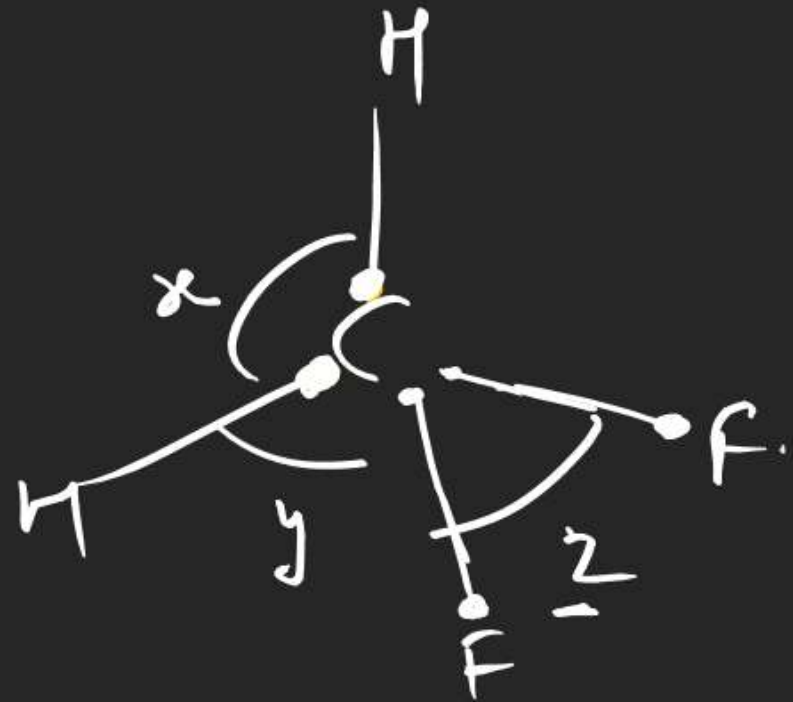
Perfect tetrahedral
regular tetrahedral



$x > y$

sp^3

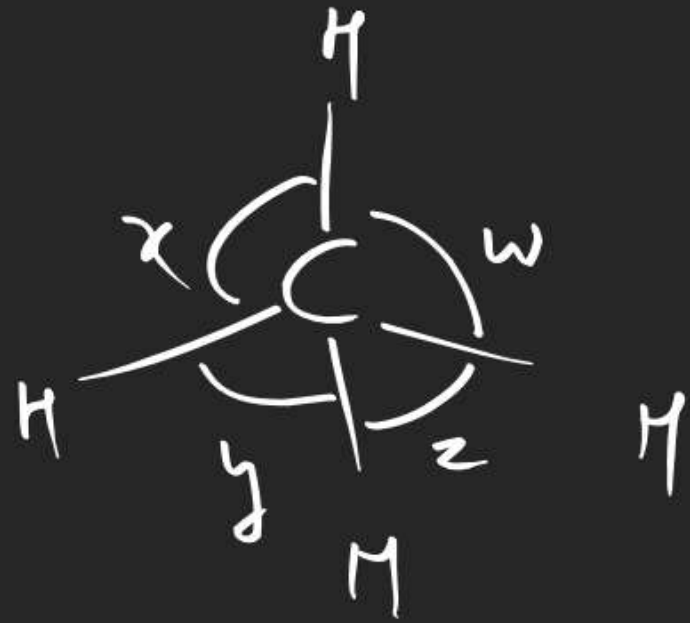
not regular
tetrahedral

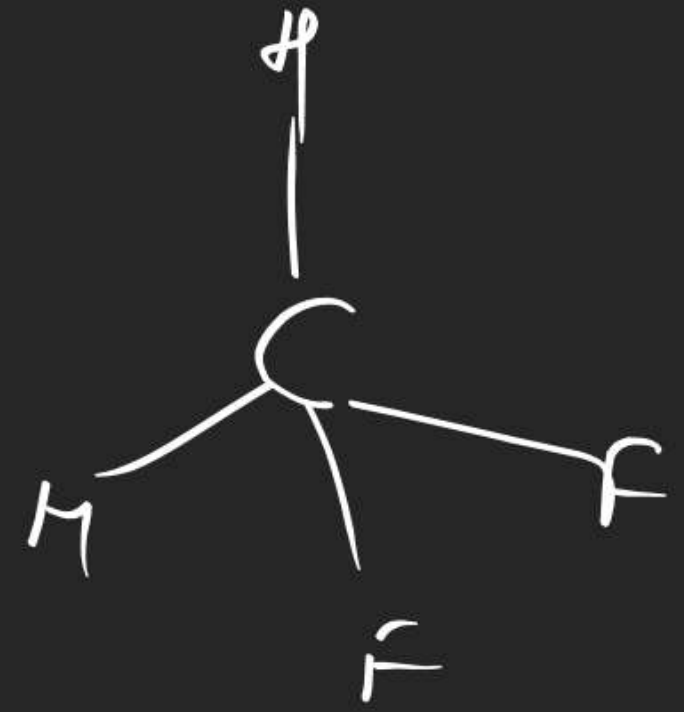
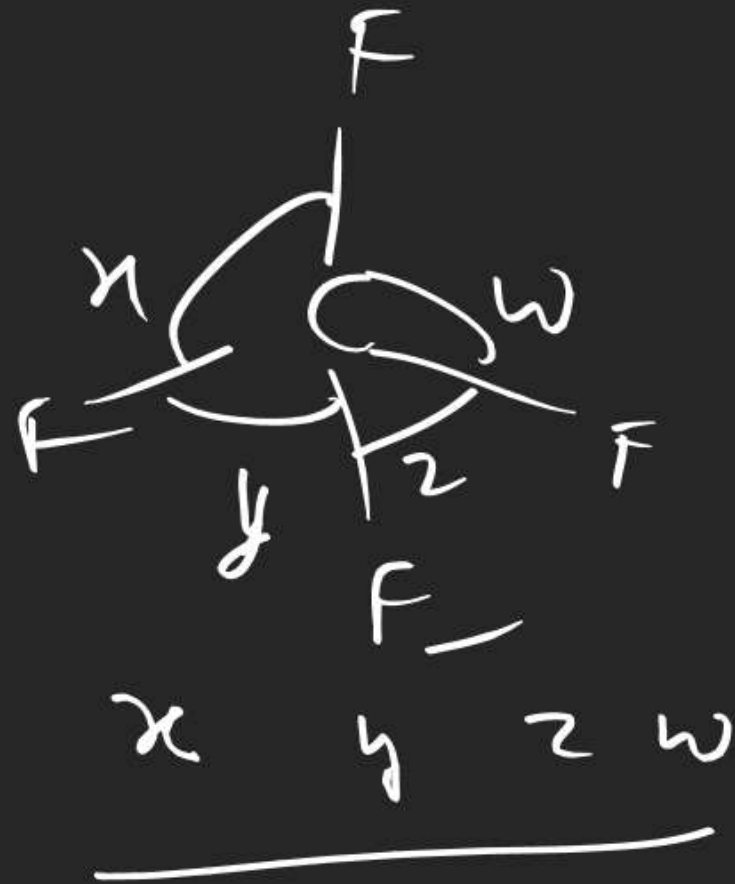


Order of B.A

$$F-\hat{C}-F < H-\hat{C}-F < H-\hat{C}-H$$

not regular tetrahedral



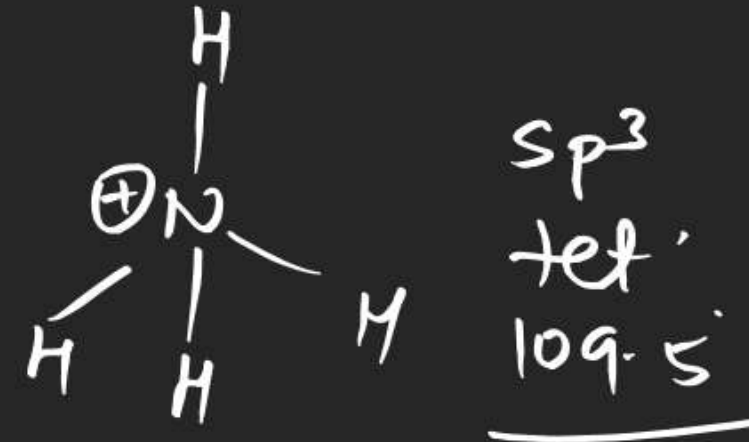


Which of the following geometry
is not a perfect tetrahedral/regular tetrahedral

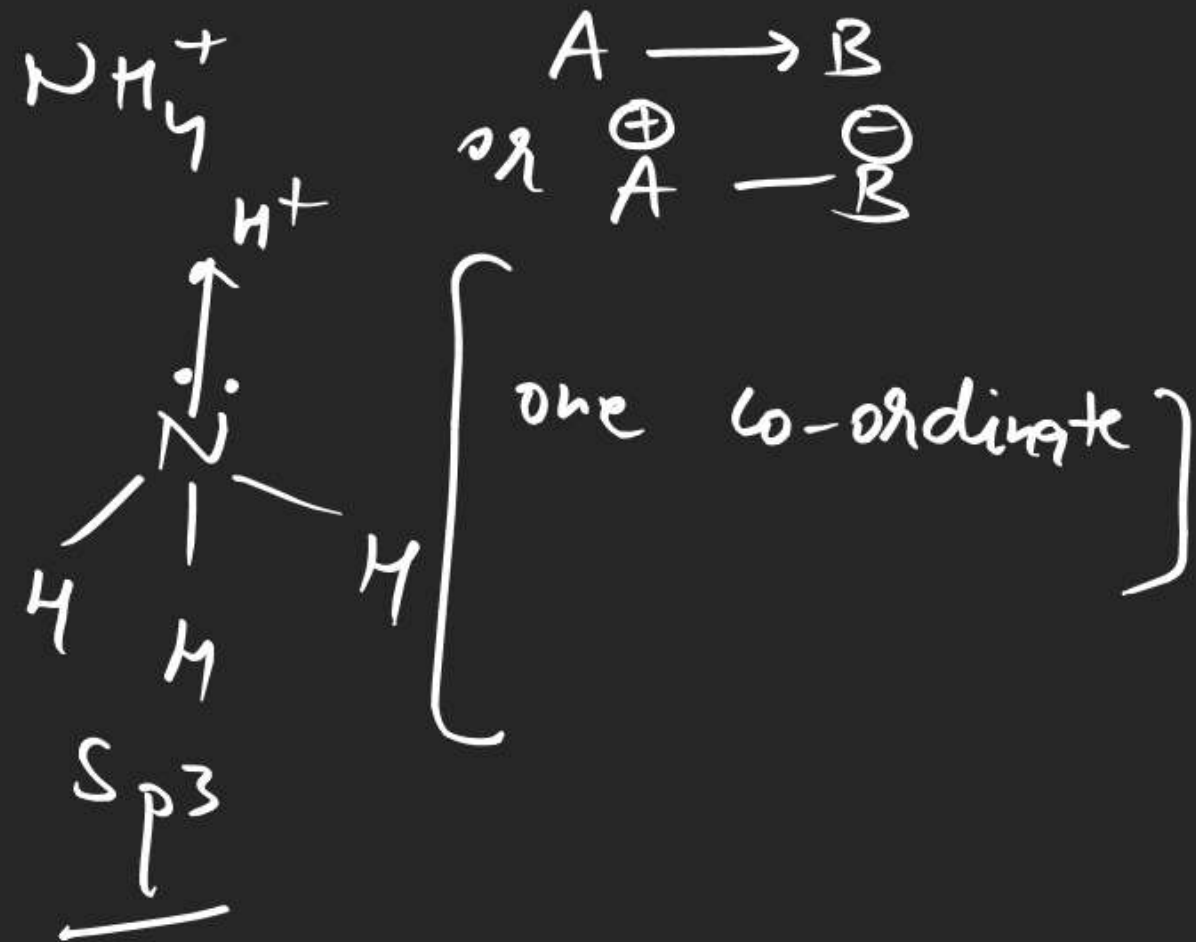
- (1) CF_4 (2) CH_4 (3) CHF_3 (4) all are perfect

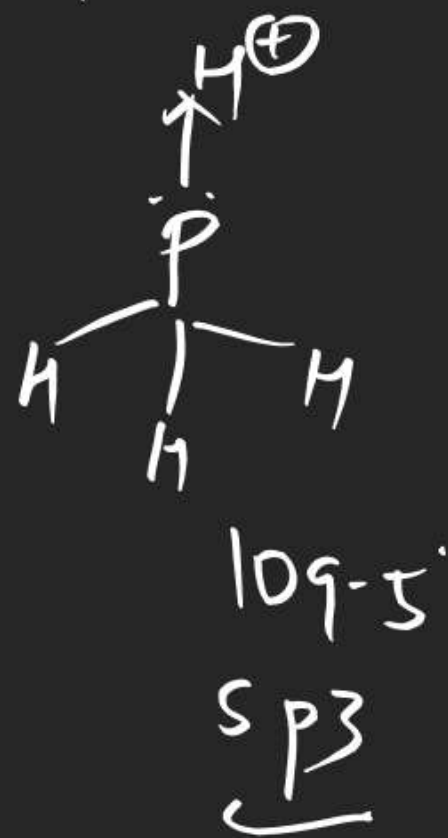
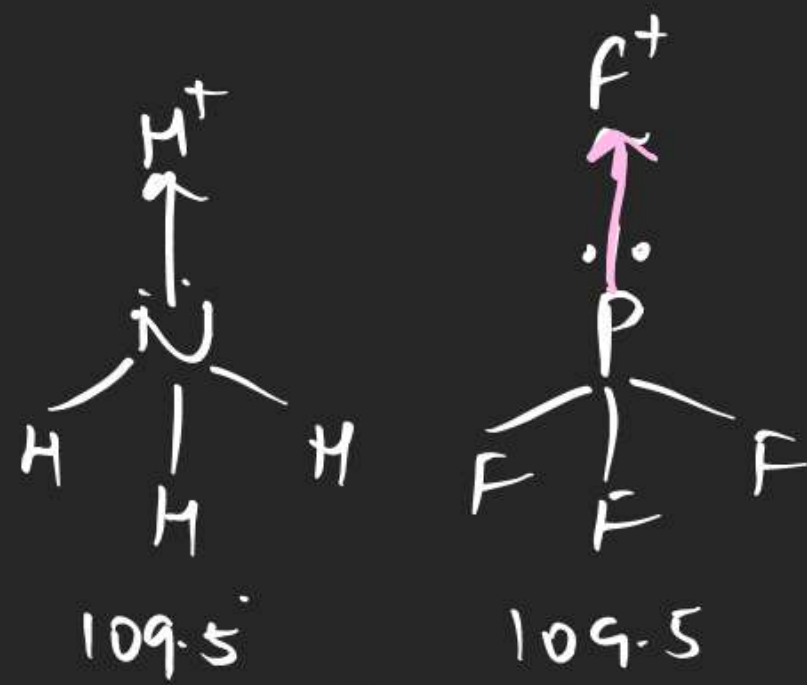
one

order of B.A

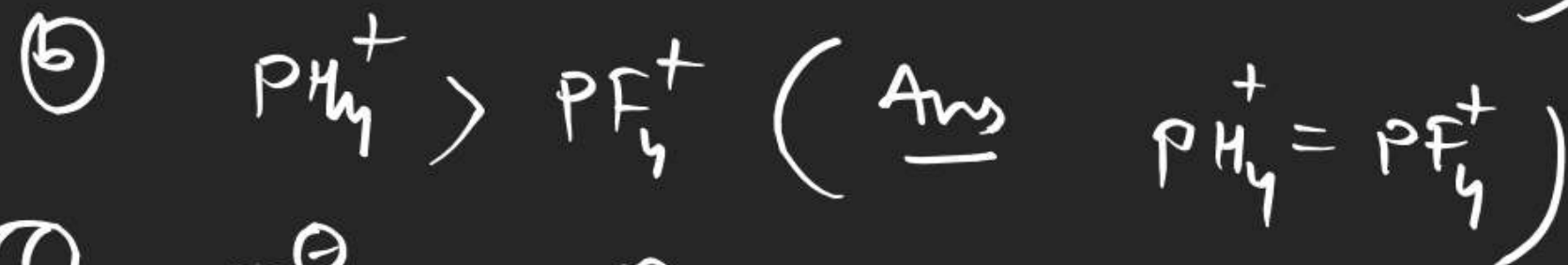


<

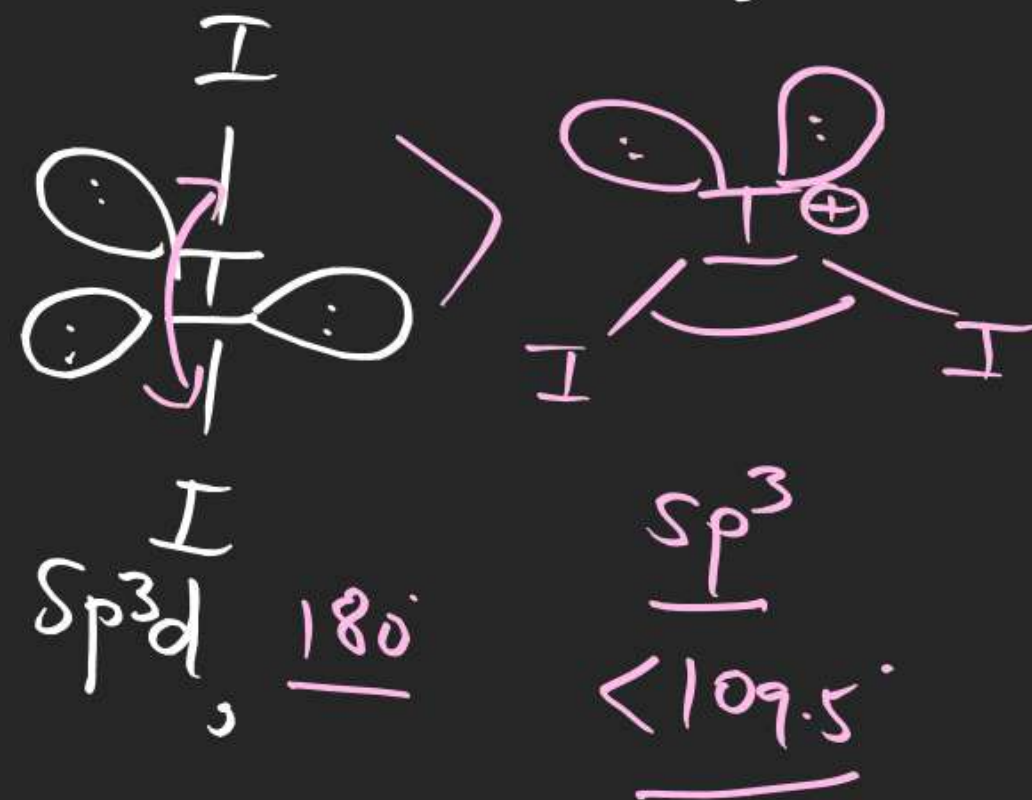




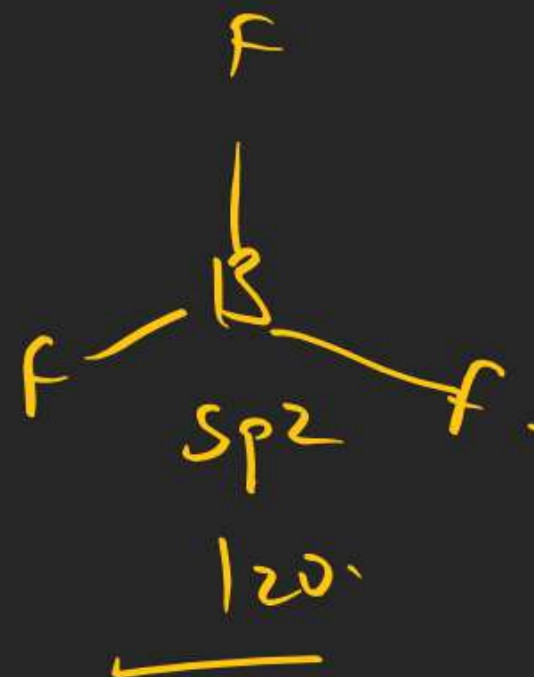
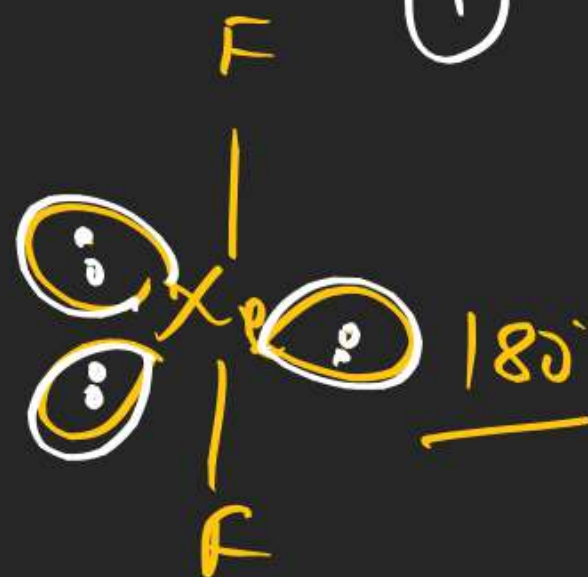
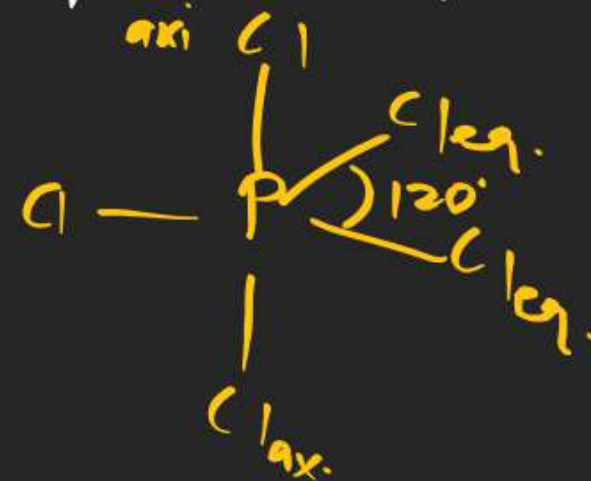
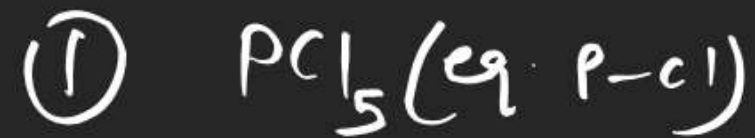
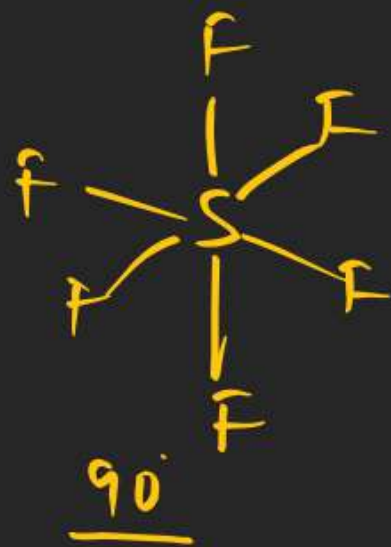
Correct order of B.A

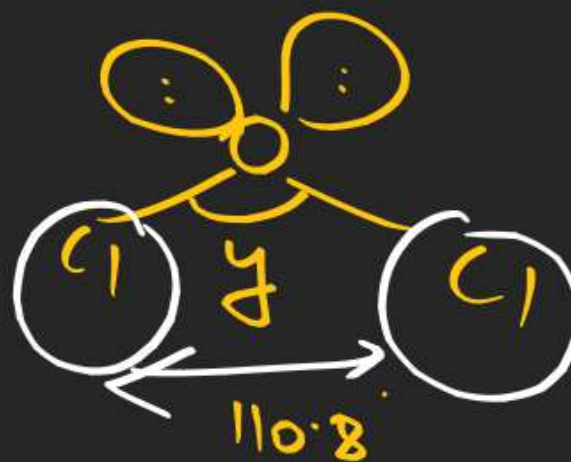


(d) none of these



Ques Which of the following molecule has higher B.A





$$x < y$$

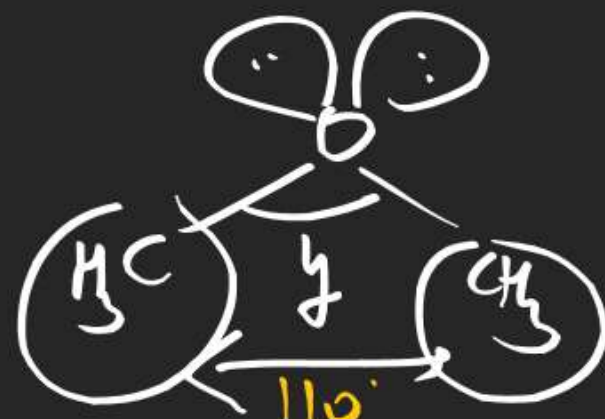
steric rep.

and Back bonding

Condition

① Hyb. should be sp^3

② SA should be $3^{rd} / 4^{th} / 5^{th}$ period / Cu

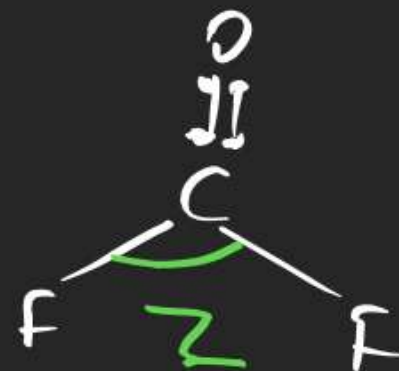
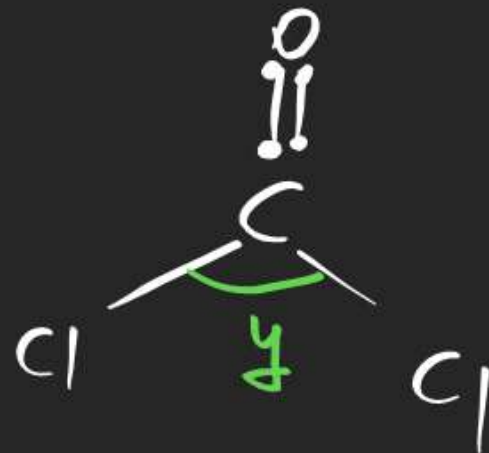
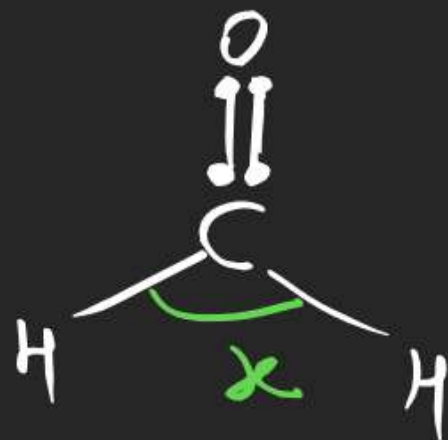


[Dimethyl ether]

$\alpha < \gamma$
(Steric rep.)

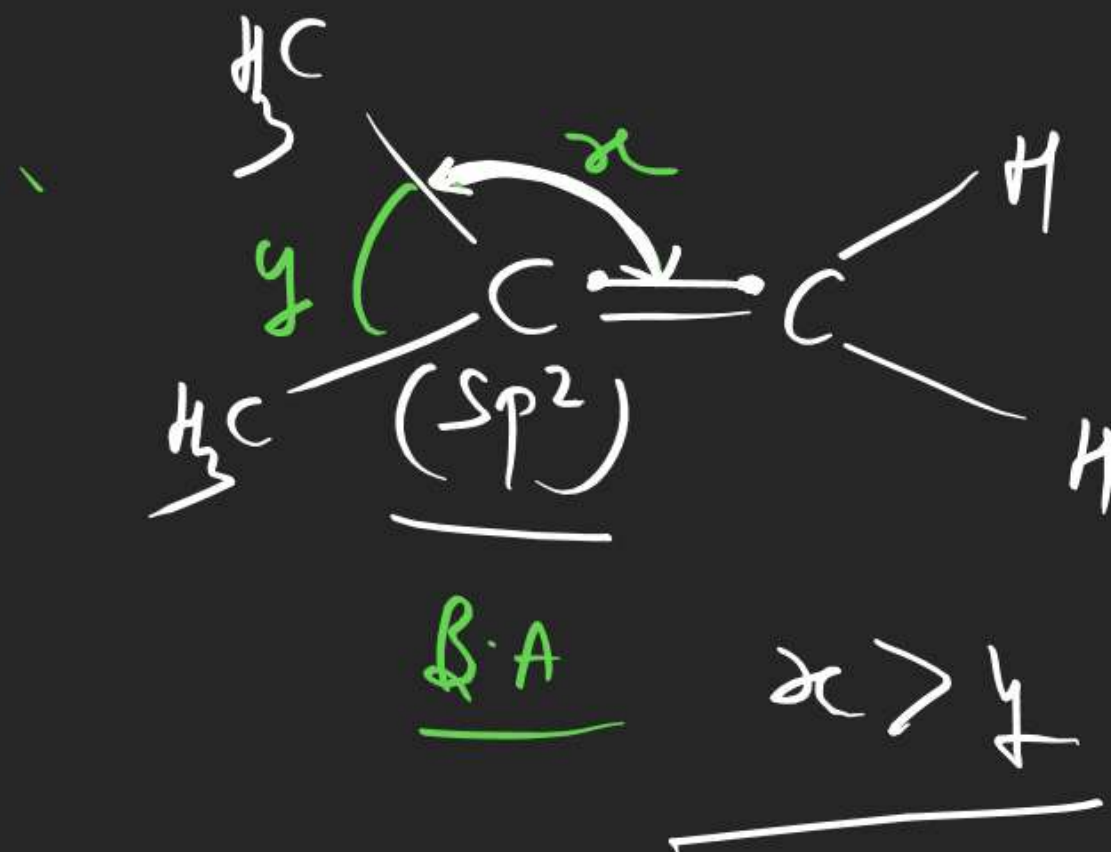
ans

sp^2

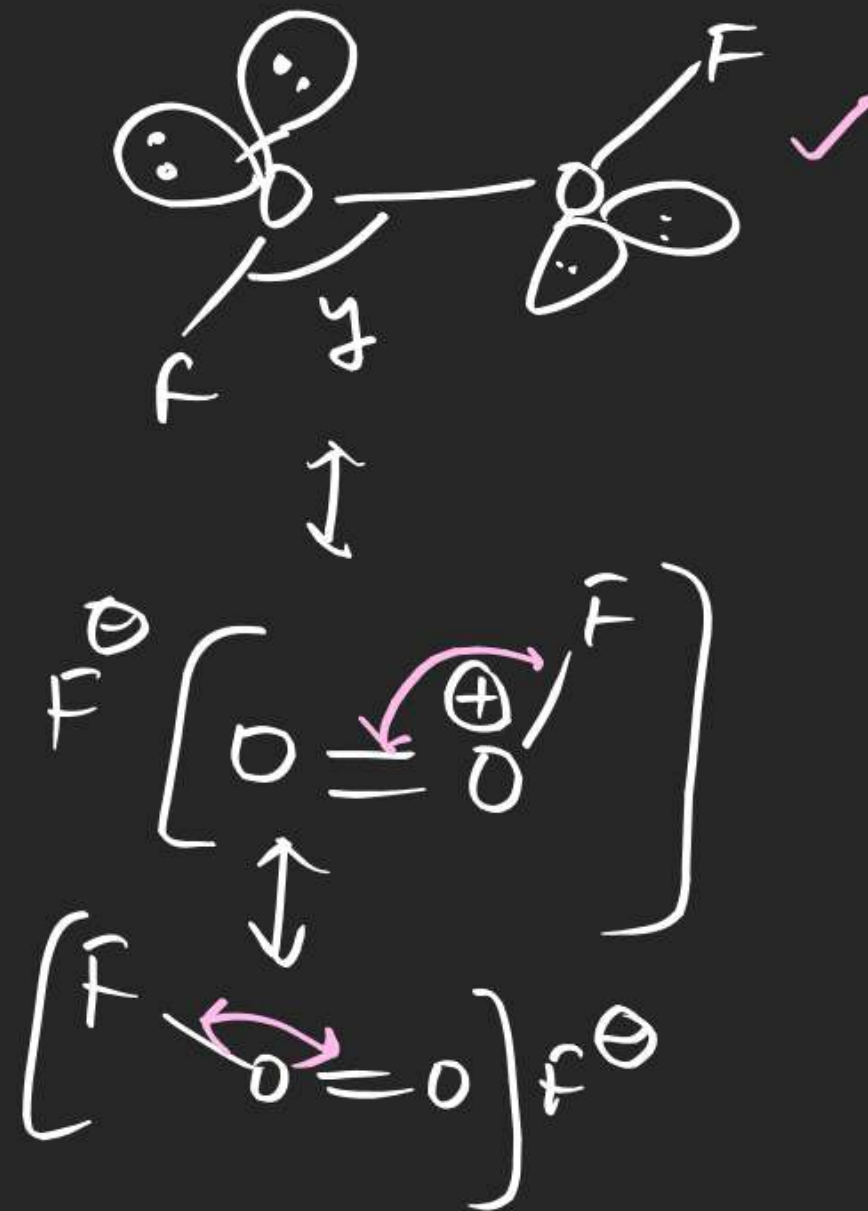
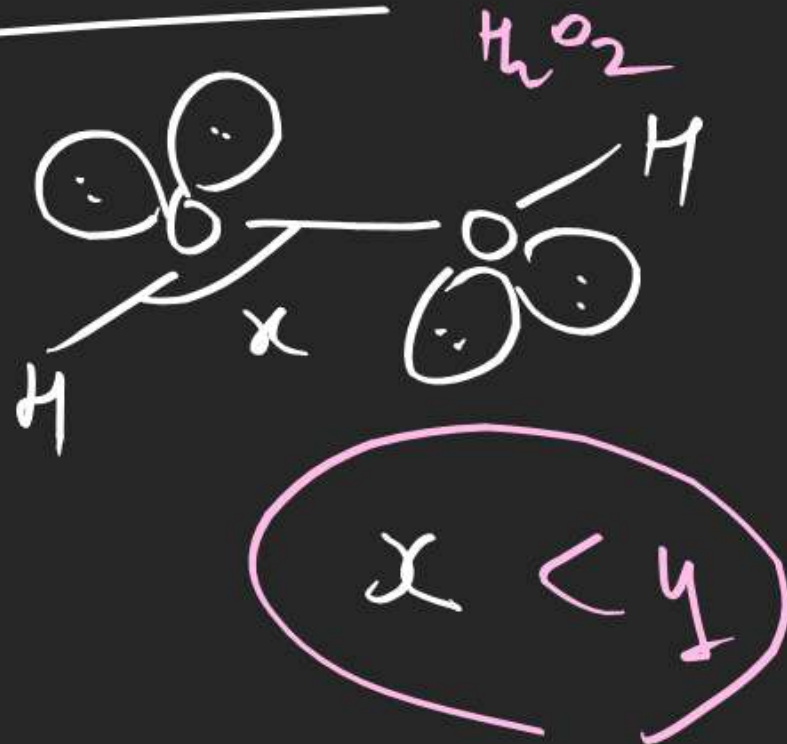


$B.A \perp E.N \text{ of } S.A$

$x > y > z$



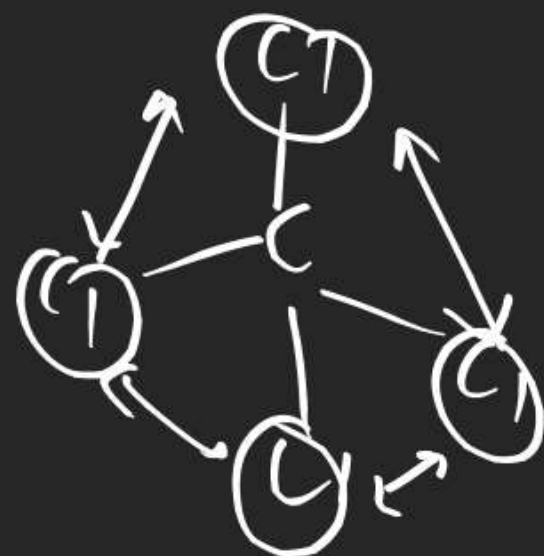
Imp. Question



Order of B.A

$$BF_3 = BCl_3 = \underline{BBr_3} = BI_3 = 120^\circ$$

$$CF_4 = CCl_4 = CBr_4 = CI_4 = 109.5^\circ$$





HF HCl HBr HI

Can't be predicted

H-F

B. A = angle between two bonds