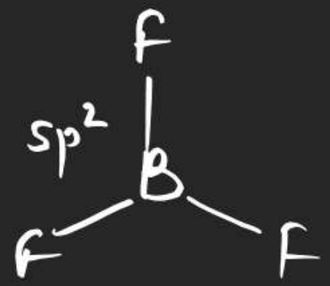
Nishant Jindal

Planar and non planar

Planar

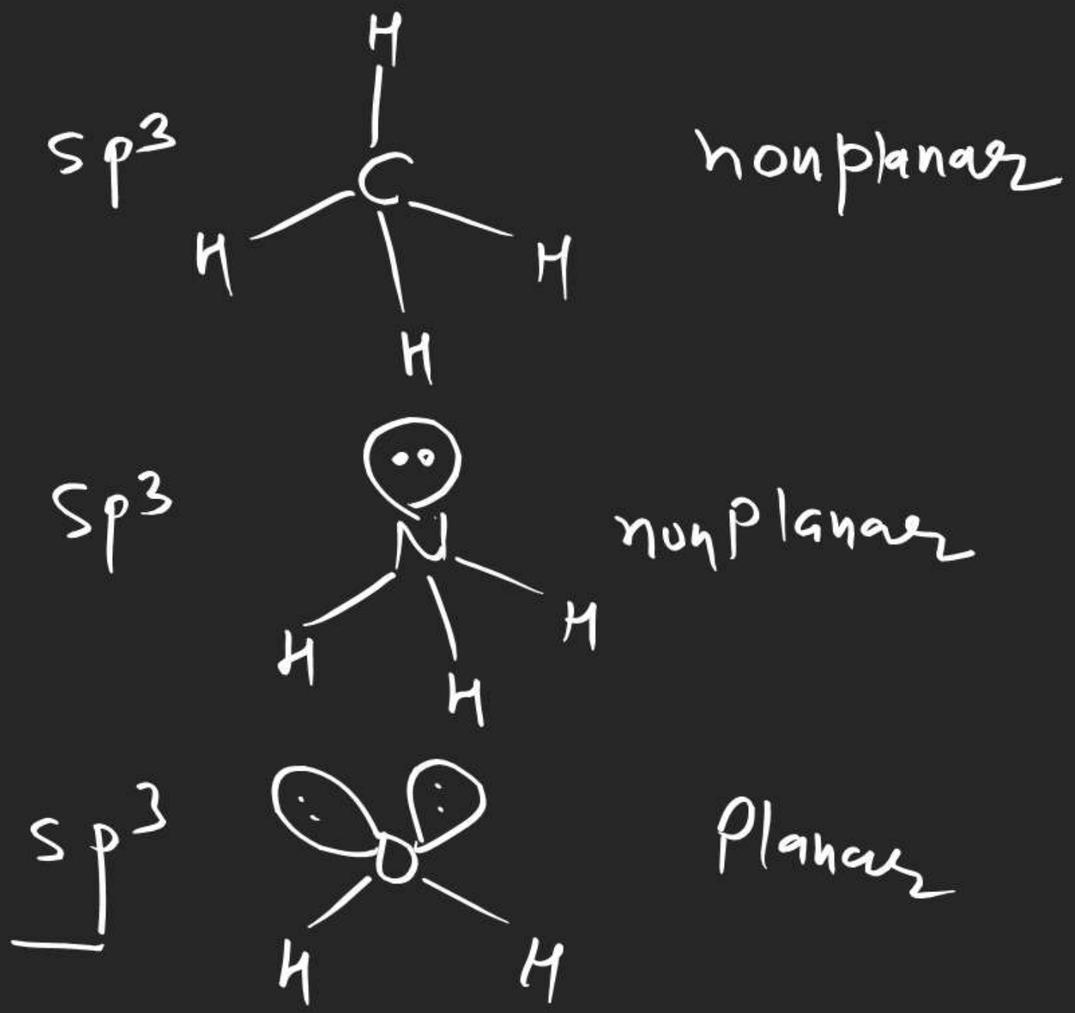


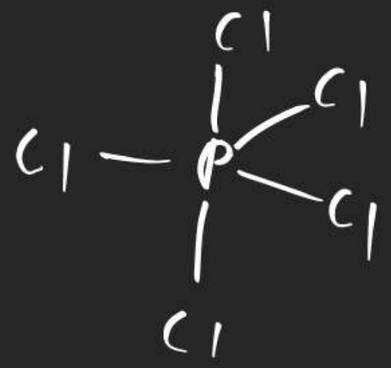
Planar

Planar

planar

Nishant Jindal



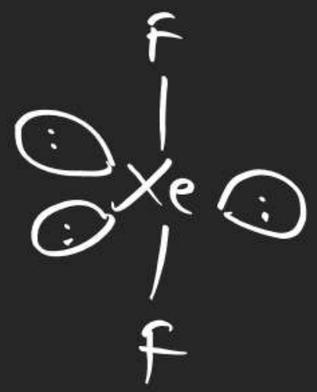


nonplanar

nonplanar

planar

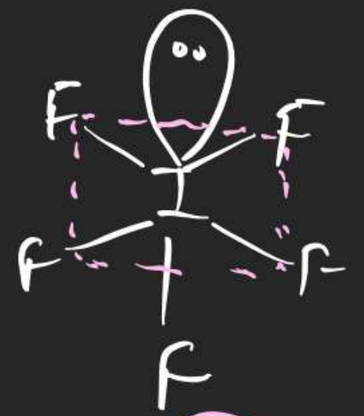
XeF_2



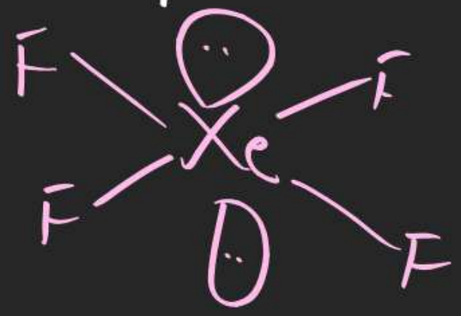
planar

Nishant Jindal

nonplanar



nonplanar



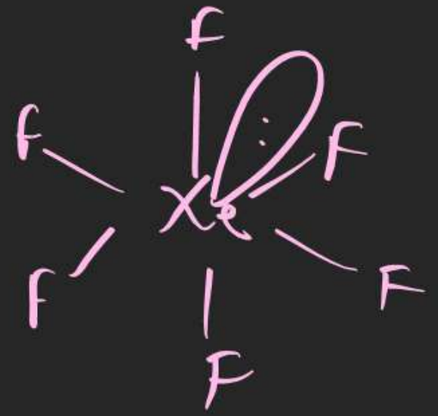
planar

XeF_5^-

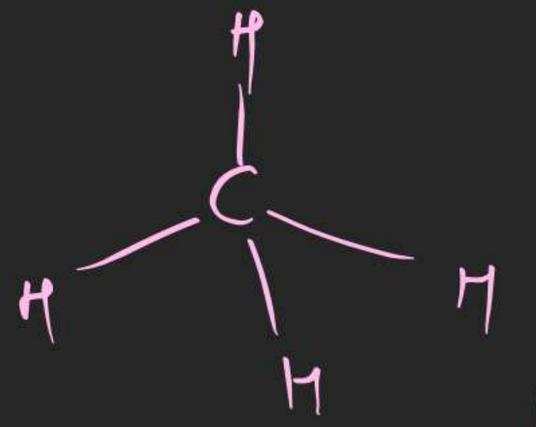
Planar

IF_7

nonplanar



nonplanar



find the number of planes in which all atoms are not same

Ans = 6

Ans

find the number of planes in which maximum three atoms are present.

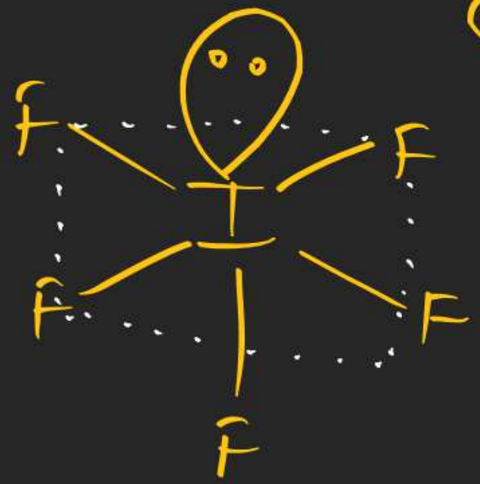
Ans = 10

Q9 find the number of planes in which all atoms are same

4

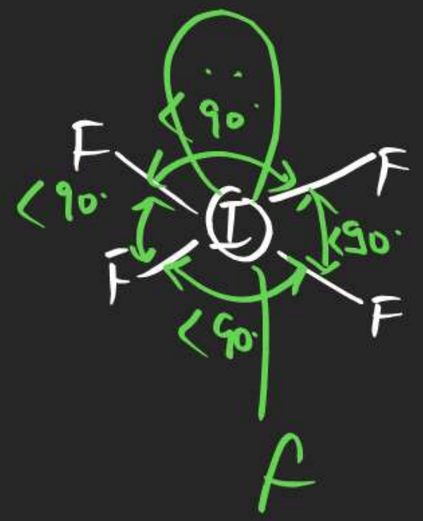
Find the number of $< 90^\circ$ angles.

Ans – 8

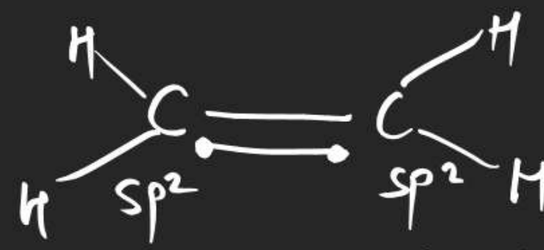


IF$_5$ find the number of maximum number of atoms in one plane.

Ans= Maximum four atoms in one plane



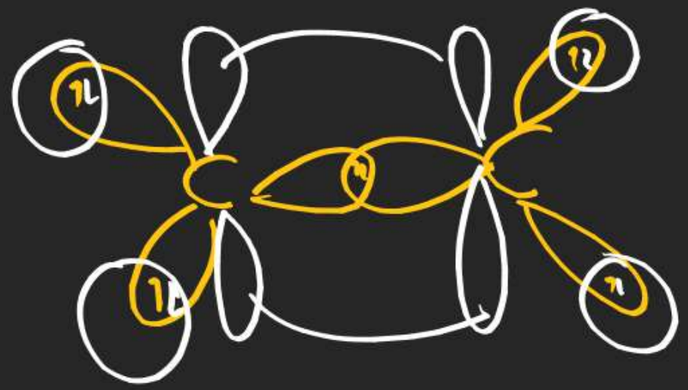
C_2H_4 (ethene)



planar

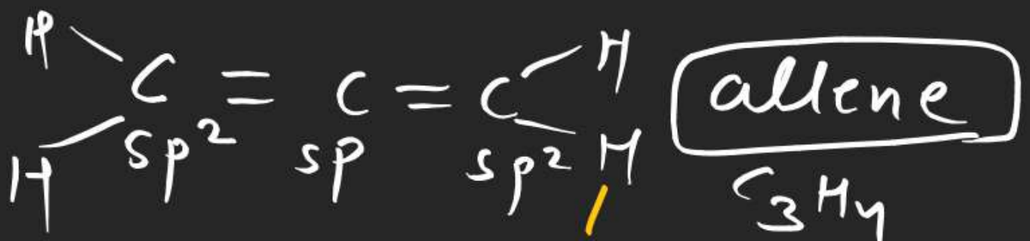
maximum 6 atoms in one plane

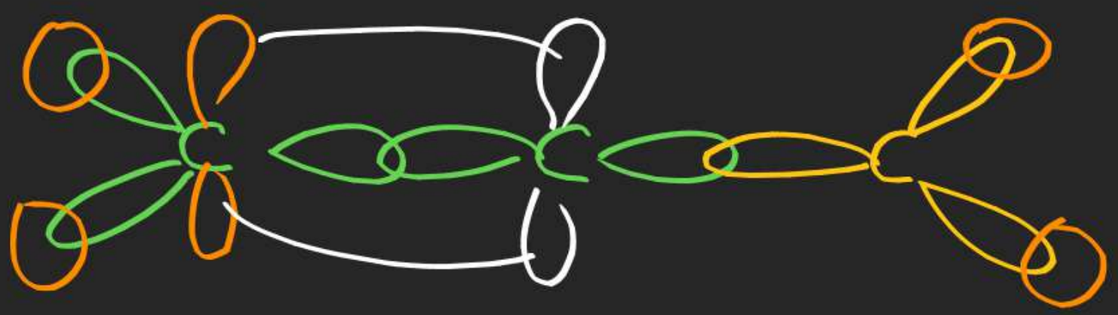
$C = 1s^2\ 2s^2\ 2p^2$



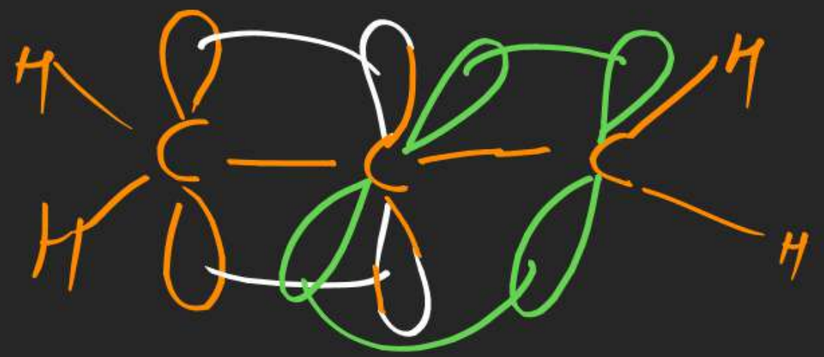
V.J SIR (Vishal Joshi Sir)

Nishant Jindal





$C = 1s^2\ 2s^2\ 2p^2$



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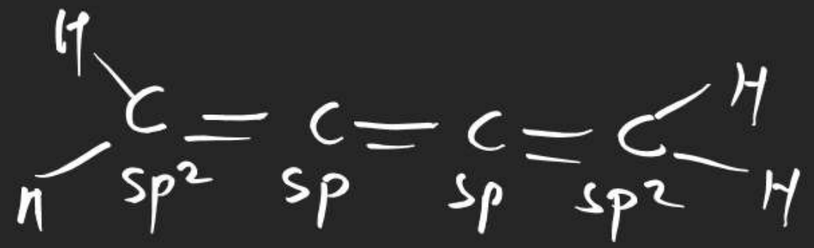
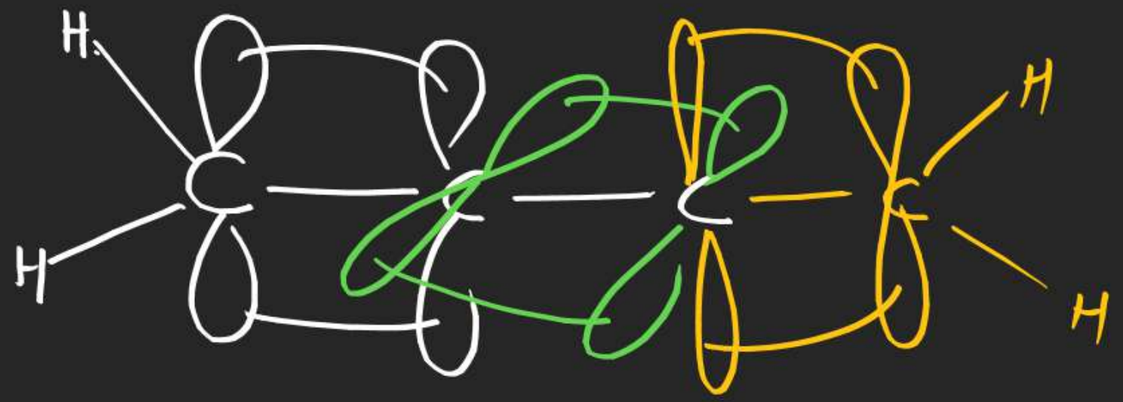


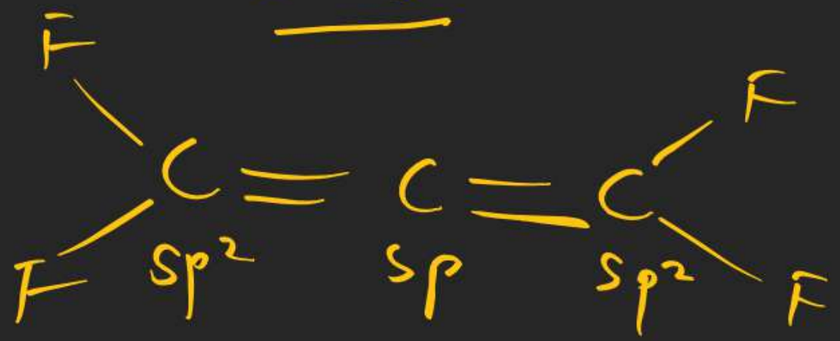


Key point ⇒ π bond odd number → planar

π bond = even number → Nonplanar

Que C_3F_4 molecule is nonpolar as well as non planar. (T/F)

(T)

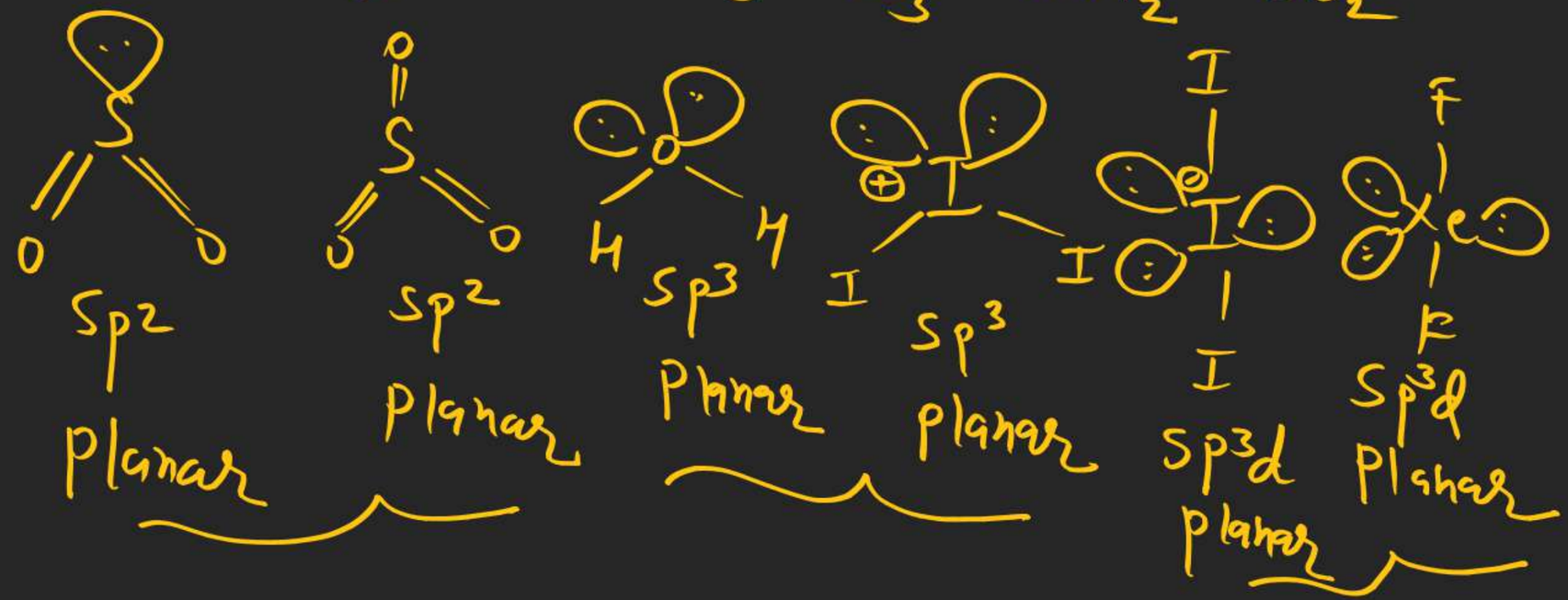


$\mu = 0$, nonpolar

non planar

Qu Find the number of molecules which have diff hybridisation Planar

SO_2 SO_3 H_2O I_3^+ I_3^- XeF_2 CO_2

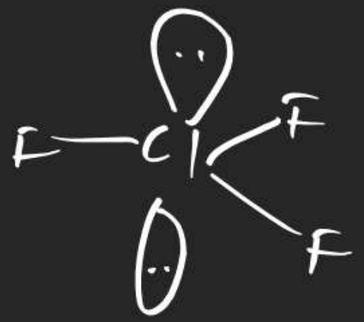


O = C = O
sp
planar

Ans Which of the following geometry is correct.

(a)

(b)



(c)

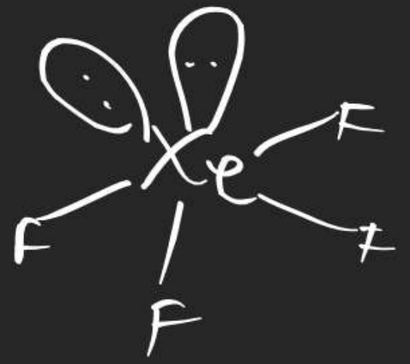
(d) all incorrect

Which of the following structure is correct for XeF_4

$\theta = 90^\circ$

(1) $\theta < 90^\circ$

(2)



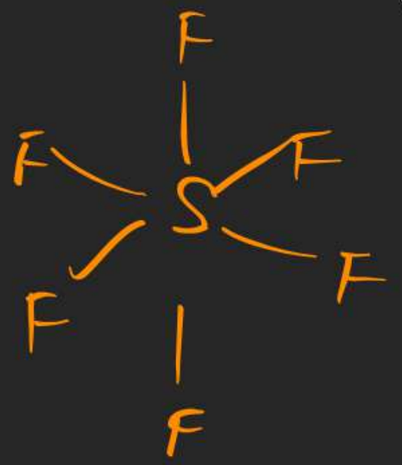
(3)

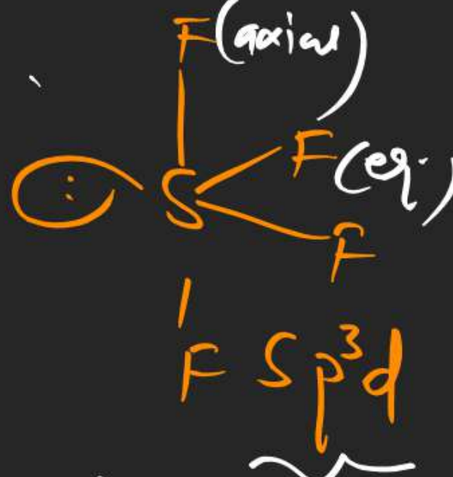
(4) all are incorrect.

Which of the following molecule have diff type of B·L

(T·B·P | P·B·P)

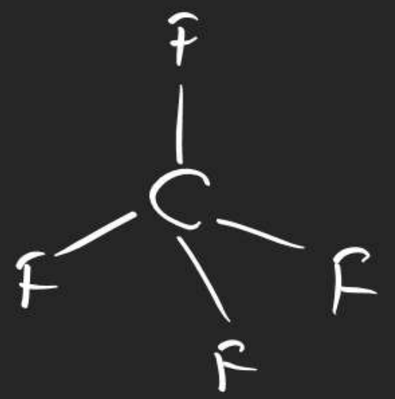
① SF_6 ② SF_4 ③ CF_4 ④ all





sp^3d

axial and eq.



H·W

D·P·P

up to

V·S·E·P·R

dipole moment

Sheet Book

Which of the following molecule is not perfect tetrahedral.

(1) CF_4

(2) CHF_3

(3) CCl_4

(4) all are perfect tetrahedral.