4. BF3

- SN= or Bornd +lp

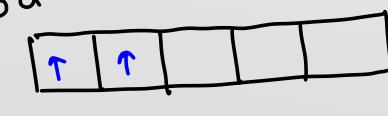
Hyb: Sp² Geo. Trigonal planar.

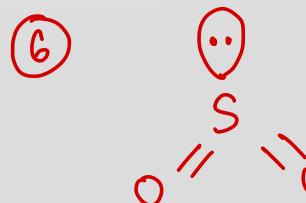
5. SO3

- Hyb: Spr aco: Trigonal planai.

6.SO2

- Ho: 3(Sp2)

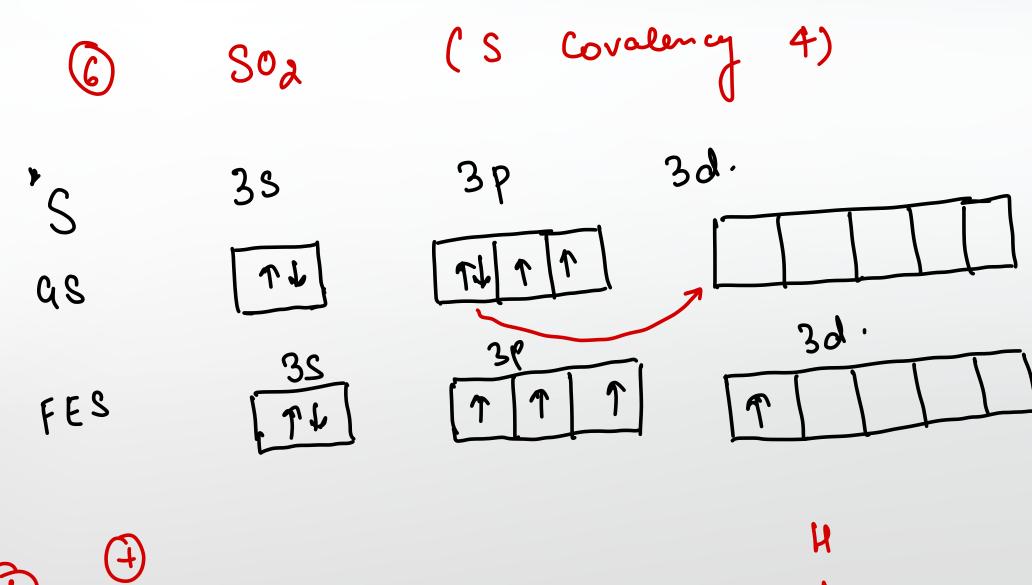


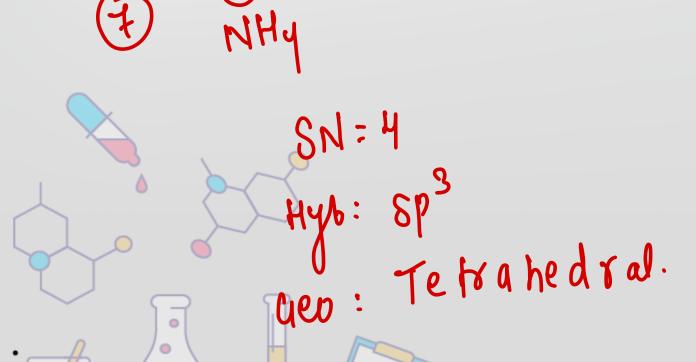


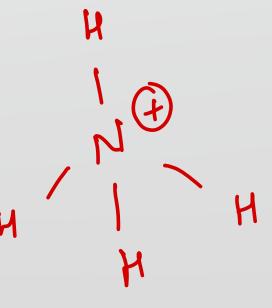
SN = 5 Bond + Sp

que: Vshape | Bent | angular.









- 8. C104 (ory-anim)
- 9. PC13
- 10. I3
- 11. PC15



SN: 5 Bond + Lp



Hyb: Sp3

- - = 4+0 = 4

Geol Shape: fetra hedre.

- SN= 5 Bond + Ip
- Hyb: Sp³ 4e0 | Shape: Trigonal pyramidal.

- SN: 53md + Lp = 2+2 = H
- Hyb: Sp³ 4e0/Shape: VShape/Bent

- SN: 5 3 md + 4 ; 5 + 0 : 5
- Hyb: Sp3d quo | Shape: Trigonal geo | Shape: Trigonal gipyramidal



(12) F S F SN= 53md+49 : 4+1 : 5 Hyb: Sp3d.

Geofshape: Ser-Saw. Lone pair -> equiposial.

- 13. H3O
- 14. NO3
- 15. NO2
- 16. NO2





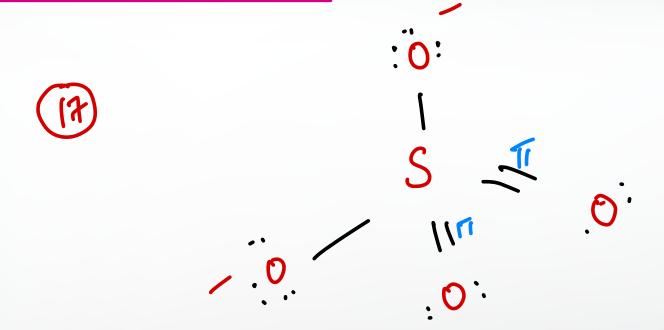
- SN= 5 Bond + 1p

Geol Shape: Trigonal pyramidae

- Hyb: Sp² Geol Shape: Trigonal planar.

- SN = 5 Bmd + 49 : 2 + 0 : 2





$$5N = 53 \text{ mod} + 9$$

 $4 + 0 = 4$
 $4 + 6 = 4$

Georshape: tetra hedral



- 18. OC1
- 19.<u>IF</u>3
- 20. C1F3
- 21. XeF2



- SN: or Bond + Sp : 1+3
- Hy6: 8p3 Geolshape: linear.

- SN: or Bond + 4p
- Hyb: Sp³d. Geolshape: T-shape.

- SN: 5 Bmd + lp

- SN: 53md + 4 : 2+3
- Hyb: Sp³d. Shape: Linear.







$$SN = \sigma B m d + l p$$

$$= 2 + 3$$

$$= 5$$

$$Hy6: Sp3 d$$



- 23. IC12
- 24. BrC12

25. SF6

- 26. IF5
- 27. IC14

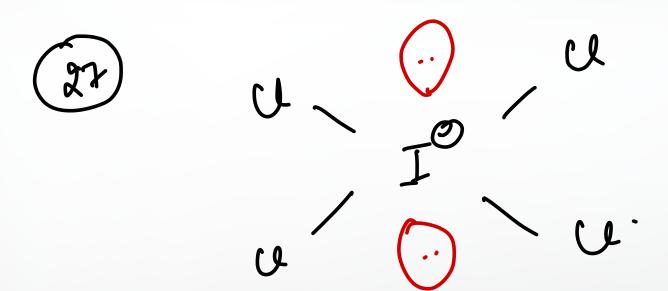
- SN: 5 Bond + Lp

Geo: linear.

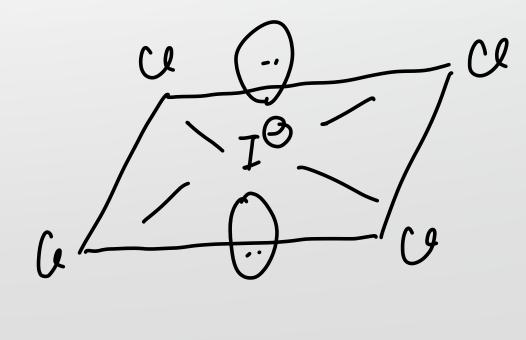
- Dame os abone.
- SFG (class notes)
- SN: o Bmd + lp ; 5+1

Hyb: Sp³d² ueo: Sqvare pyramidal.





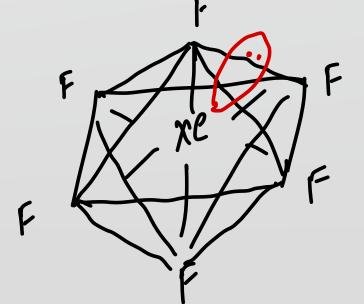
Shaper: Square planar.



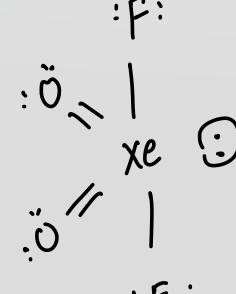


- 28. IF7
- 29. XeF2
- 30. XeF4
- 31. XeF6
 - 32. XeO2F2

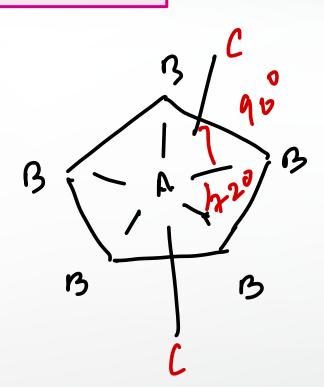
- (28) Hyb: Sp3 d3 Shape: pentagenal Bipgramidel
 - (29) Hyb: Sp3d Shape: Linear
 - 30 Hyb: Sp3d2 Shape: Square plana.
 - 31) Hyb: Sp3d3 shape: distorted octahedral.



) Hyb: Sp³d Shape: Ser-Saw







$$BA_{(an)}$$
 > $BA_{(eq)}$
$$BL_{(an)}$$

$$BL_{(eq)}$$

