

Valence Shell Electron Pair Repulsion Theory (VSEPR)

Areas of Electrons	Central Atom Hybridization	Bonded Areas	Structure	Example
4	sp^3	4	tetrahedral	CH_4
4	sp^3	3	trigonal pyramidal	NH_3
4	sp^3	2	bent	H_2O
3	sp^2	3	trigonal planar	BF_3
3	sp^2	2	bent	SO_2
2	sp	2	linear	CO_2

Formula	Lewis Structure	3D	Hybridization	Structure
H_2S				
PCl_3				
O_3				
CF_4				

