
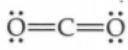

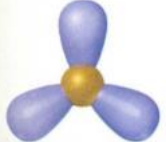
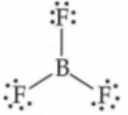
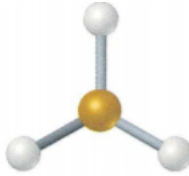
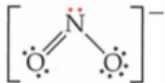
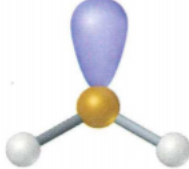

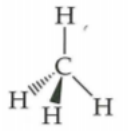
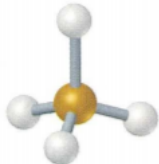
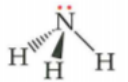
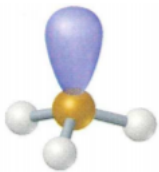

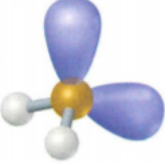
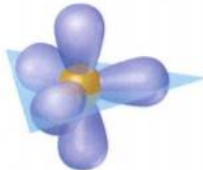
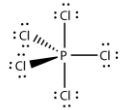
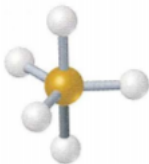


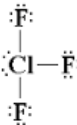

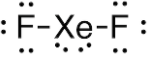
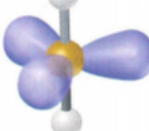

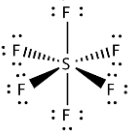

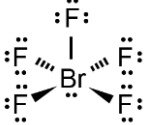



Small Molecule Shapes

Electron Domain Geometry	Bonding Domains	Nonbonding Domains	Bond angle	Shape (and structural formula example)	Molecular Geometry	Hybrid Orbital
Linear (2 electron domains) 	2	0	180°	Linear CO ₂ 		sp
Trigonal Planar (3 electron domains) 	3	0	120°	Trigonal Planar BF ₃ 		sp ²
	2	1	120°	Bent NO ₂ ⁻¹ 		
Tetrahedral (4 electron domains) 	4	0	109.5°	Tetrahedral CH ₄ 		sp ³
	3	1	107°	Pyramidal NH ₃ 		
	2	2	105°	Bent H ₂ O 		

Small Molecule Shapes

Electron Domain Geometry	Bonding Domains	Nonbonding Domains	Bond angle	Shape (and structural formula example)	Molecular Geometry	Hybrid Orbital
Trigonal Bipyramidal (5 electron domains) 	5	0	120° and 90°	Trigonal bipyramidal, PCl ₅ 		sp ³ d
	4	1	120° and 90°	Seesaw, SF ₄ 		
	3	2	90°	T-shaped, ClF ₃ 		
	2	3	180°	Linear, XeF ₂ 		
Octahedral (6 electron domains) 	6	0	90°	Octahedral, SF ₆ 		sp ³ d ²
	5	1	90°	Square pyramidal, BrF ₅ 		
	4	2	90°	Square planar, XeF ₄ 