

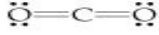


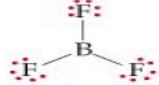

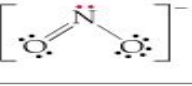


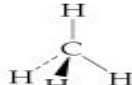

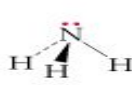




**TABLE 9.2** Electron-Pair Geometries and Molecular Shapes for Molecules with Two, Three, and Four Electron Domains About the Central Atom

Total Electron Domains	Electron-Domain Geometry	Bonding Domains	Non-bonding Domains	Molecular Geometry	Example	Main Angles
2 pairs	 Linear	2	0	 Linear		180°
3 pairs	 Trigonal planar	3	0	 Trigonal planar		120°
		2	1	 Bent		118°
4 pairs	 Tetrahedral	4	0	 Tetrahedral		109°
		3	1	 Trigonal pyramidal		107°
		2	2	 Bent		105°