

Molecular Geometry

(VSEPR)

Bonded Locations	Unbonded Locations	Molecular Geometry	Molecule Type	Example Molecule	Bond Angles	Molecular Diagram
2	0	Linear	AB ₂	BeF ₂	180°	F — Be — F
2	1	Bent	AB ₂ E	SO ₂	116°	
2	2	Bent	AB ₂ E ₂	H ₂ O	104.5°	
3	0	Triangular Planar	AB ₃	BF ₃	120°	
3	1	Triangular Pyramidal	AB ₃ E	NH ₃	107.3°	
4	0	Tetrahedral	AB ₄	CH ₄	109.5°	
5	0	Triangular Bipyramidal	AB ₅	PCl ₅	120° 90°	
6	0	Octahedral	AB ₆	SF ₆	90° 90°	