

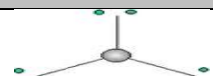

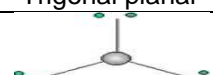





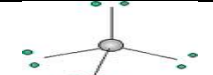






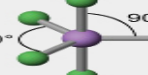

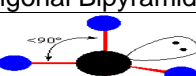

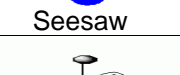



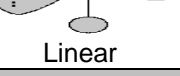


Valence shell electron pair repulsion (VSEPR) Structures for Molecules and Ions

Electron Domains	Bonding domains (B)	Lone pair domains (E)	Bond angle	VSEPR notation	Electron Domain Geometry	Molecular Geometry (shape)
2	2	0	180°	AB ₂	 Linear	 Linear
3	3	0	120°	AB ₃	 Trigonal planar	 Trigonal planar
3	2	1	<120°	AB ₂ E	 Trigonal planar	 Bent
4	4	0	109.5°	AB ₄	 Tetrahedral	 Tetrahedral
4	3	1	<109.5°	AB ₃ E	 Tetrahedral	 Trigonal pyramidal
4	2	2	<109.5°	AB ₂ E ₂	 Tetrahedral	 Bent
5	5	0	90° and 120°	AB ₅	 Trigonal Bipyramidal	 Trigonal Bipyramidal
5	4	1	>90° <120°	AB ₄ E	 Trigonal Bipyramidal	 Seesaw
5	3	2	<90°	AB ₃ E ₂	 Trigonal Bipyramidal	 T-shaped
5	2	3	180°	AB ₂ E ₃	 Trigonal Bipyramidal	 Linear
6	6	0	90°	AB ₆	 Octahedral	 Octahedral
6	5	1	<90°	AB ₅ E	 Octahedral	 Square pyramidal
6	4	2	90°	AB ₄ E ₂	 Octahedral	 Square Planar