
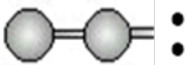
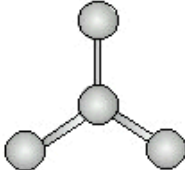

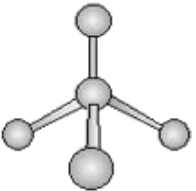
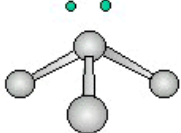

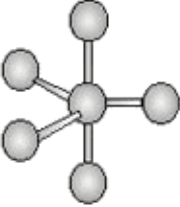
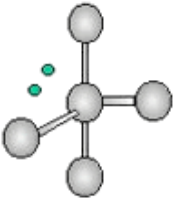
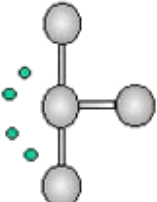
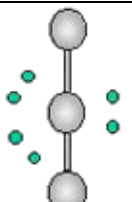
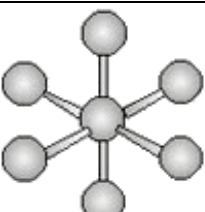
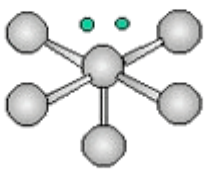
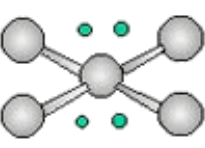


## MOLECULAR GEOMETRY (MG) CHART

<i>FORMULA</i>	<i>LEWIS STRUCTURE</i>	<i>CENTRAL ATOM</i>	<i>VSEPR</i>
1) CH <sub>4</sub>  Total # Val e <sup>-</sup>  _____		TOTAL # e <sup>-</sup> Pairs	Electron Pair Geometry (EPG)
		# BONDED Pairs	Molecular Geometry (MG)
		# LONE Pairs	A.B.E VSEPR Term
2) SF <sub>2</sub>  Total # Val e <sup>-</sup>  _____		TOTAL # e <sup>-</sup> Pairs	Electron Pair Geometry (EPG)
		# BONDED Pairs	Molecular Geometry (MG)
		# LONE Pairs	A.B.E VSEPR Term
3) XeO <sub>3</sub>  Total # Val e <sup>-</sup>  _____		TOTAL # e <sup>-</sup> Pairs	Electron Pair Geometry (EPG)
		# BONDED Pairs	Molecular Geometry (MG)
		# LONE Pairs	A.B.E VSEPR Term

TOTAL # e <sup>-</sup> Pairs	# BONDED Pairs	# LONE Pairs	Electron Pair Geometry (EPG)	Molecular Geometry (MG)	Bond Angle
2	2	0	<i>Linear</i>	 <b>Linear</b>	<b>180°</b>
2	1	1	<i>Linear</i>	 <b>Linear</b>	<b>180°</b>
3	3	0	<i>Trigonal Planar</i>	 <b>Trigonal planar</b>	<b>120°</b>
3	2	1	<i>Trigonal Planar</i>	 <b>Bent</b>	<b>120°</b>
4	4	0	<i>Tetrahedral</i>	 <b>Tetrahedral</b>	<b>109.5°</b>
4	3	1	<i>Tetrahedral</i>	 <b>Trigonal pyramidal</b>	<b>107.5°</b>
4	2	2	<i>Tetrahedral</i>	 <b>Bent</b>	<b>104.5°</b>
5	5	0	<i>Trigonal Bipyramidal</i>	 <b>Trigonal Bipyramidal</b>	<b>90° (vert to horiz) 120° (horiz to horiz) 180° (vert to vert)</b>

TOTAL # e <sup>-</sup> Pairs	# BONDED Pairs	# LONE Pairs	Electron Pair Geometry (EPG)	Molecular Geometry (MG)	Bond Angle
5	4	1	<i>Trigonal Bipyramidal</i>	 <p>See-saw</p>	90° (vert to horiz) 120° (horiz to horiz) 180° (vert to vert)
5	3	2	<i>Trigonal Bipyramidal</i>	 <p>T-shaped</p>	90° (vert to horiz) 180° (vert to vert)
5	2	3	<i>Trigonal Bipyramidal</i>	 <p>Linear</p>	<b>180°</b>
6	6	0	<i>Octahedral</i>	 <p>Octahedral</p>	90° (vert to horiz) 180° (vert to vert)
6	5	1	<i>Octahedral</i>	 <p>Square Pyramidal</p>	90° (vert to horiz) 180° (vert to vert)
6	4	2	<i>Octahedral</i>	 <p>Square Planar</p>	90° (vert to horiz) 180° (vert to vert)