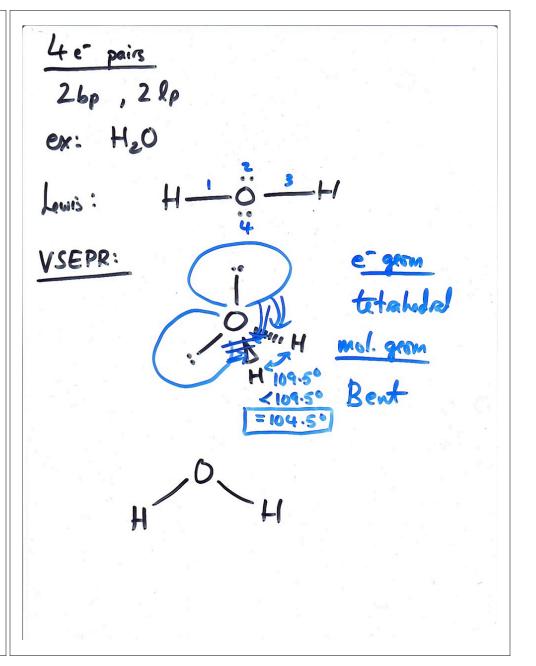
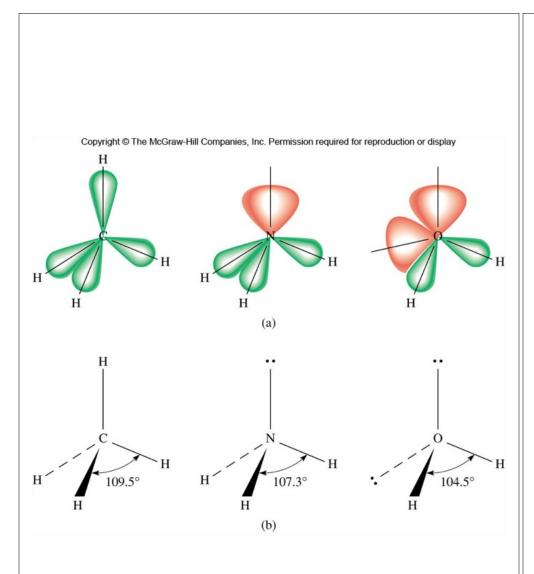
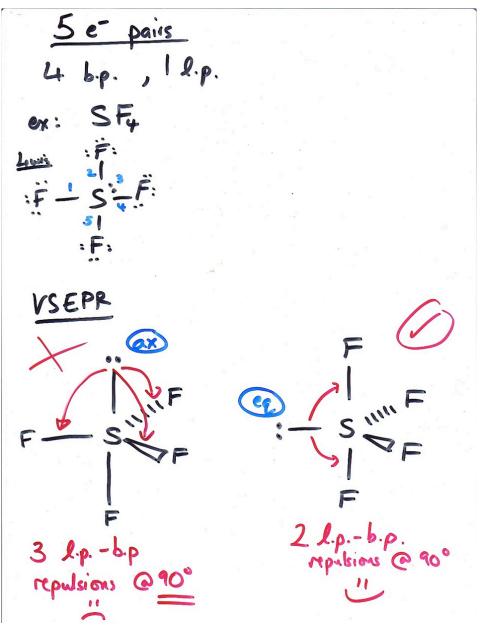
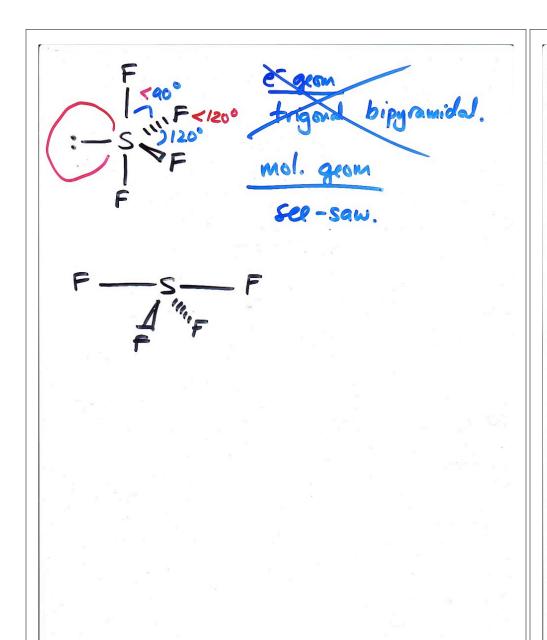


b.p. L.P. LARGE









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Class of molecule		al number of tron pairs	Number of bonding pairs	Number of lone pairs	Arrangement of electron pairs*	Geometry	Examples
AB <sub>2</sub> E	3		2	1	B B B Trigonal planar	Bent	so <sub>2</sub>
AB <sub>3</sub> E		4	3	1	B A B B Tetrahedral	Trigonal pyramidal	NH <sub>3</sub>
AB <sub>2</sub> E <sub>2</sub>		4	2	2	A B Tetrahedral	Bent	H <sub>2</sub> O
AB <sub>4</sub> E		5	4	1	: B B B B B B B B B B B B B B B B B B B	Distorted tetrahedron (or seesaw)	SF <sub>4</sub>
AB <sub>3</sub> E <sub>2</sub>		5	3	2	B B B B Trigonal bipyramidal	T-shaped	CIF <sub>3</sub>
AB <sub>2</sub> E <sub>3</sub>		5	2	3	B B B Trigonal bipyramidal	Linear	
AB <sub>5</sub> E		6	5	1	B B B B B Coctahedral	Square pyramidal	BrF <sub>5</sub>
AB <sub>4</sub> E <sub>2</sub>		6	4	2	B B B B Octahedral	Square planar	XeF <sub>4</sub>