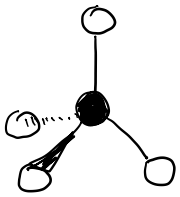
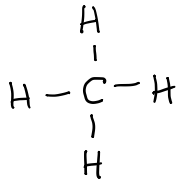
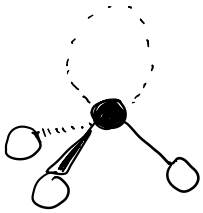
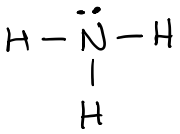
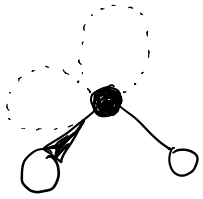
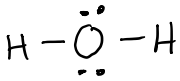
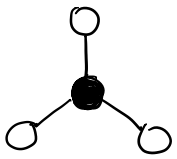
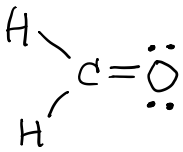
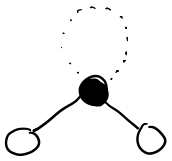
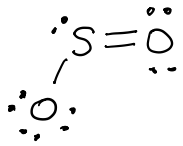
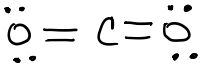
MOLECULAR GEOMETRY

#electron groups	#bonding groups	# lone pairs	Structure	Electron Geometry	Molecular Geometry	Example	Lewis Structure
4	4	0		Tetrahedral	Tetrahedral	CH_4	
4	3	1		Tetrahedral	Trigonal pyramid	NH_3	
4	2	2		Tetrahedral	Bent	H_2O	

#electron groups	#bonding groups	# lone pairs	Structure	Electron Geometry	Molecular Geometry	Example	Lewis Structure
3	3	0		Trigonal planar	Trigonal planar	CH_2O	
3	2	1		Trigonal planar	Bent	SO_2	

#electron groups	#bonding groups	# lone pairs	Structure	Electron Geometry	Molecular Geometry	Example	Lewis Structure
2	2	0		Linear	Linear	CO_2