Name: Max 5

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Molecular Formula	Lewis Structure	Electronic Geometry	Hybridization	Molecular Geometry	Ideal Bond Angle
NH3 5+3(1) = 8e ⁻ (# valence e ⁻)	H—N—H 	tetrahedral	sp³	trigonal pyramidal	107. (°
H ₂ O	H CH	tetrahedra)	Sp3	Bent	104.5°
	Н				
CH ₂ Cl ₂	101 - C - C1:	Tetrahedral	5 p ³	Tetahdral	109.5
20e					
*OPCl3 violates octet rule)	(C);	Tetaledral	Sp3	Totalata	109.5
32 e	N 1				

Molecular Formula	Lewis Structure	Electronic Geometry	Hybridization	Molecular Geometry	Ideal Bond Angle
CO3 ²⁻ .	0 = 0	Trigonal	Sp2	Trigonal	120°
*AICI6 ³⁻ ; (violates octet rule) 4 (e ⁻	:ci - Ai - ci:	Octahedu	SP3J2	octandal	90,180
*SO2 (violates octet rule)		Trigonal	5p2	Bent	117.5°
*SO4 ^{2–} (violates octet rule) 3 2 e [~]	$\frac{100}{100} = 5$	Tetrahedial	Sp ³	Tetahedral	109.5°

Molecular Formula	Lewis Structure	Electronic Geometry	Hybridization	Molecular Geometry	Ideal Bond Angle
*ICI4 ⁻ *(violates octet rule)	(c):	Octabbral	5p3d2	Square Planur	90,180
*BrF ₃ (violates octet rule) 2 { e ⁻	; F. Br . F;	Trigonal Programidal	Sp3)	T-Shape)	90, 120°
*SeF4 (violates octet rule)	Se Se	† 1 igonal Ø i pyranidal	Sp3d	Sce-saw	90°,120°
*BrF5 (violates octet rule)	F. Br. F.	O (tahedral	Sp3)2	Symre Py vambal	90,180

Molecular Formula	Lewis Structure	Electronic Geometry	Hybridization	Molecular Geometry	Ideal Bond Angle
*PCI ₅ (violates octet rule)	; ci. ; ci.	Trigonal Bipgramidal	26,9	Trigonal Bipyramidal	90°,120°,
CH2O 12°	;0: H	C: Tilgoul planur	C: 5p2	C:Triganul Planur	c: 120°
C2H6O H (CH3OCH3) 20°	H I -C- 0-C-H H H	C: Tetrahebral O: † drahebral C: Tetrahebral	O:563	C: Tetrababral O: BeW C:Tetrababral	O: 109 ,5°
C₂H6O (C₂H5OH)	H H	C: Tetronolm O: Tetronolmal C: Tet brooking	C: 5p ³ O:5p ³ C: 5p ³	C: Tetrandul O: Pert C: Tetrandul	C: 109,5° C: 109,5°