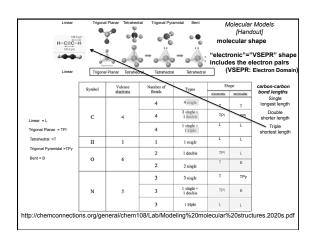
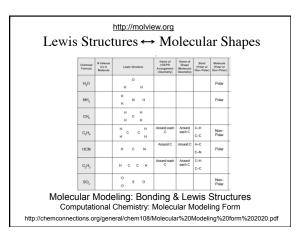
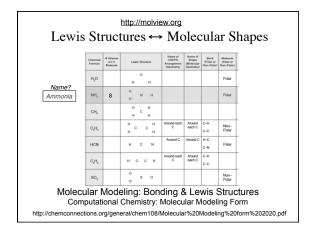
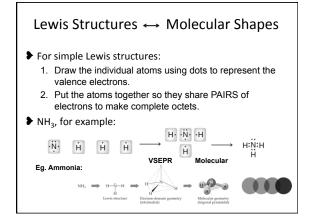


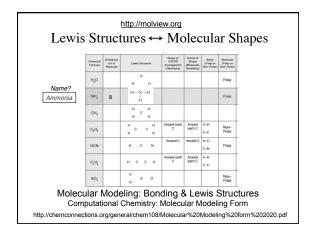
Linear	Trigona	I Planar Tetrah	• •	•° °		moleo electro ncludes	lecular Models [Handout] cular shape nic"="VSEPR" shape s the electron pairs SEPR: Electron Domain)
1	Symbol	Valence	Number of	-	Sh	ape	1
	Symbol	electrons	Bends	Types	sisstenis	molecular	1
ĺ			4	4 single			1
	с	4	4	2 single + 1 double			
			4	1 single + 1 triple			
	н	1	1	1 single			
	0	6	2	1 double			
		-	2	2 single			
			3	3 single			
	N	5	3	1 single + 1 double			
			3	1 triple			
http://chemconnectior	ns.org/ge	eneral/cher	m108/Lab/I	Modeling%	620mole	cular%	20structures.2020s.pdf

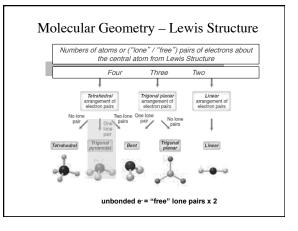


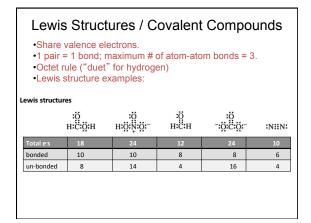


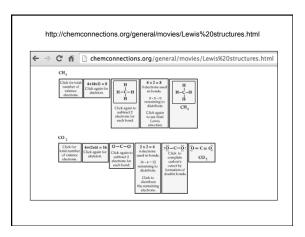


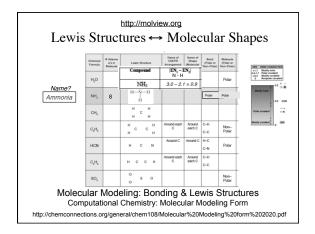


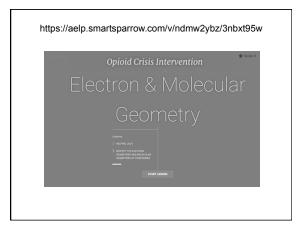




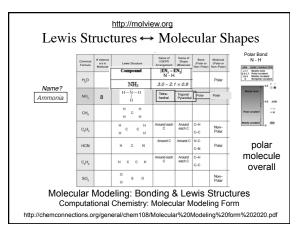


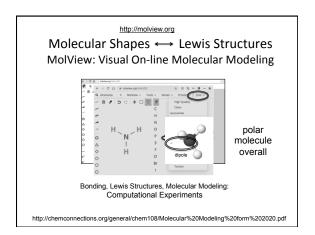


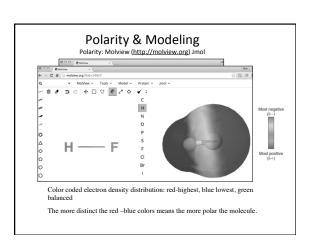


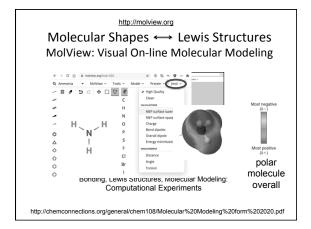


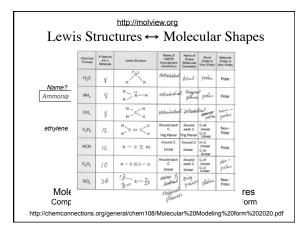
Important	Linear	Line	ar	180°	000				one pairs 0
in Organic	Trigonal Planar	Trigo	nal Planar	120°		.°.			0
Compound	s Trigonal Planar	Bent		<120°			000		1
	Tetrahedral	Tetra	hedral	109.5°	000				0
	Tetrahedral	Trigo	nal Pyramidal	<109.5°		080			1
	Tetrahedral	Bent		<109.5°	0		000		2
See again	Trigonal Bipyran	nidal	Trigonal Bipyramida	al 120°,90°	03				0
in Chem 120	Trigonal Bipyran	nidal	Seesaw	<120°, <90°		3			1
	htrigonal Bipyran		T-shape	<90°			00		2
Chem 109	Trigonal Bipyran	nidal	Linear	180°			U.	0	3
	Octahedral		Octahedral	90°	828				0
	Octahedral		Square Pyramidal	<90°	2	808			1
	Octahedral		Square Planar	90°			00		2





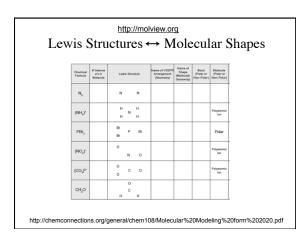






Lewis S	Stru	<u>http://molv</u> ←ctures	-		cula	ar S	hapes
Chemical Formula	# Valence e's in Molecule	Lewis Structure	Name of VSEPR Arrangement (Geometry)	Name of Shape (Molecular Geomerty)	Bend (Polar or Non-Polar)	Molecule (Polar or Non-Polar)	
CBr ₄		Br Br C Br Br					-
CO2		0 C 0					_
H ₂ S		s н н					
NF ₃		F F F					
SO ₂		s 0 0				Polar	
сң _о он		н н с о н н	Around C Around O	Around C Around O	C-H C-O O-H	Polar	m
(NO ₃) ⁻		0 N 0 0				Pelyatomic Ion	-
http://chemconnections	.org/ge	eneral/chem108/	Molecul	ar%201	Modeli	ng%20	form%202020.pdf

Chemical Formula	# Valence e's in Molecule	Lewis Structure	Name of VSEPF Arrangement (Geometry)	Name of Shape (Molecular Geometry)	Bond (Polar or Non-Polar)	Molecule (Polar or Non-Polar)
CBr ₄	32		tehahedra	tetra- kedud	golar	non- polar
CO2	16	;o = c = o;	linear	linear	polar	him- polas
H ₂ S	8	н ^{**} З [¢] ,	tepahad	al bent	poler	pdar
NF ₃	26	F F N - F	tetrahad	tria.	polar. anide	polar
SO2	18	o s	Kigmal Nanar	bant	<i>polar</i>	Polar
сн,он	14	н — с — ў — н	Around C Tetrhedral Around O Tetrhedral	Around C Tetrhedral Around O Bent	C-H nonpolar C-O polar potăr	Polar
(NO ₃)-	24	:0: :0: :0:	trigmal planas	plana	polar	Polystomic Ion



is S	Stru	ctures *	→ M	ole	cul	ar S	hape
Chemical Formula	# Valence e's in Molecule	Lewis Structure	Name of VSEPR Amangement (Geometry)	Name of Shape (Molecular Geomerty)	Bond (Polar or Non-Polar)	Molecule (Polar or Non-Polar)	
N ₂	10	:N ≘ N:	linear	linear	kon- polar	ком ровал	-
(NH4)*	9	H H H	tehabedre	fehale	Polan Eul	Polystomic Ion	-
PBr ₃	26	**************************************	tehabedro	trigon pyran	1 Pola	Polar	-
(NO ₃)-	18	N = 0	tergenal plinas	bent	polar	Polyatomic Ion	-
(CO ₃) ²⁻	24	**** c = ;;	pigonal	planar	pder	Polyatomic Ion	-
CH ₂ O	12-	H C H	trigonal Planas	high	plan polar	pdar	

