

VSPER Worksheet

for Intro Chem

	A	B	C	D	E	F	G	H	I	J	K	L
	Compound	# Val. Elec.	Lewis Structure	# Lone Pairs	# Atoms bonded	# Charge Clouds	Charge Cloud Shape	Molecular Structure	Bond angle	Bond polar?	Molec. polar?	Resonance?
1	Ne [Element]		:Ne:		0			Not Applicable	NA	NA	NA	NA
2	HF											
3	H <sub>2</sub> O											
4	NH <sub>3</sub>											
5	CH <sub>4</sub>											
6	CO <sub>2</sub>											
7												

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8												
9	<b>BF<sub>3</sub></b>											
10	<b>NH<sub>4</sub><sup>+</sup></b>										Ion	
11	<b>SO<sub>2</sub></b>											
12	<b>SCl<sub>2</sub></b>											
13	<b>H<sub>3</sub>O<sup>+</sup></b>										Ion	
14	<b>NO<sub>3</sub><sup>-</sup></b>										Ion	

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15												
16	H <sub>2</sub> O <sub>2</sub> [HOOH]									H-O? O-O?		
17	H <sub>2</sub> S											
18	CO <sub>3</sub> <sup>2-</sup>										ion	
19	CCl <sub>4</sub>											
20	PCl <sub>3</sub>											
21	HCN											
22	C <sub>2</sub> H <sub>2</sub> [HCC#C]									H-C? C-C?		

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