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CHE 101 - Homework - Ch 7e Complex Lewis Dot Structures

Score: _____/40

Name:	:	Date:
15 pt]	1. Con	aplete the following questions about Lewis Structures:
	(a)	When counting valence electrons in a cationan electron for each positive charge.
	(b)	When counting valence electrons in an anionand electron for each negative charge.
	(c)	Molecules should be drawn asas possible and the leastshould be in the center.
	(d)	Hydrogen makesbonds.
	(e)	Oxygen generally makesbonds and very rarely (never in CHE 101) bonds to
	(f)	Nitrogen generally makesbonds.
	(g)	Rarely Nitrogen can makebonds if it is a
	(h)	F, Cl, Br, I generally make bond.
	(i)	After making a trial structure start to completeuntil you run out of
	(j)	If you can't completethen you will need to formandbonds
	(k)	If you have completed all octets you are
[2 pt]	2. Wha	at does VSEPR stand for? What primary force determines the shape of molecules?

[3 pt] 3. Complete the following table:

# bonding	# lone		
e ⁻ pairs	e^- pairs	Molecular Shape	Bond Angle
4	0		
3	1		
		Bent	109.5
		Trigonal Planar	
2	1		
2			180

