Gen Chem I (CHM 111) Fall 16 Dr. Hahn	MW 8 am Quiz IV Form Pink 11/30 W Exam #	
Name Ces	Print Name	Sign
In all questions, show work for partial cree		
Lewis Dot Structure	Your 3D structure drawing below.	
	Vector + 6	
	t.Ac X Sum +	
F—As*—F	FILL	
* F *		
	(5 pcs)	
Answer the following for the given (6pts earl, 36pt	Lewis Dot structure at the atom with the *	
What is the VSEPRT # electron pairs ("e	electron groups" according to your textbook)	\
How many lone pair electrons does the ato	om with the * have ?	
What is the VSEPRT geometry of electron	pairs? <u>tetrahedral</u>	
What is the VSEPRT geometry of the mole	ecule? triagoral pyramille	<i>[]</i>
What is the bond angle between F—As—	F? ~ 109.5°	5
What is the hybridization of the atom with	n en	
Draw a 3D structure of the molecule around	und the atom with the * in the space above and then draw:	<u>all</u>
non zero dipole moment arrows.	5)	
Is the molecule as a whole [(polar) or (non)		

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In all questions, show work for part		
Lewis Dot Structure	Your 3D structure drawing below.)
* F — C * — F * *	of Vector Sum	(+0
Answer the following for the	e given Lewis Dot structure at the atom with the $36p+5$	*
	nirs ("electron groups" according to your textbo	ook)\
How many lone pair electrons does	the atom with the * have ?	
What is the VSEPRT geometry of e	lectron pairs? tv. goral plane	2vc
What is the VSEPRT geometry of the	he molecule? <u>trisoral pla</u>	<u> </u>
What is the bond angle between F-	-c-o? 126°	
What is the hybridization of the ator	m with the *? $\frac{5 p^2}{}$	
Draw a 3D structure of the molecular	ule around the atom with the * in the space above	and then draw all
non zero dipole moment arrows.	4pts)	
Is the molecule as a whole [(polar)	or (nonpolar)] (circle one) 5 pts	

Nome	Drint Nama	Sign
Name In all questions, show work for pa	Print Nameartial credit and full credit.	Jigii
Lewis Dot Structure	Your 3D structure drawing below.	
Answer the following for	the given Lewis Dot structure at the atom with the A_1 A_2 A_3 A_4 A_5	<u>e</u> *
	pairs ("electron groups" according to your texth	•
How many lone pair electrons doe	es the atom with the * have ?	
What is the VSEPRT geometry of	f electron pairs ?	
What is the VSEPRT geometry of	f the molecule ?	
What is the bond angle between	F—As—F ?	
What is the hybridization of the a	tom with the *?	
non zero dipole moment arrows	4040	e and then draw all
Is the molecule as a whole [(polar	r) or (nonpolar)] (circle one) $(5R+5)$	

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In all questions, show work for partial cred		
Lewis Dot Structure	Your 3D structure drawing below.	
Answer the following for the given	(5 pts) Lewis Dot structure at the atom with the *	\
What is the VSEPRT # electron pairs ("el	lectron groups" according to your textbook)	. \
How many lone pair electrons does the ato	m with the * have ?	
What is the VSEPRT geometry of electron	pairs ?	···
What is the VSEPRT geometry of the mole	cule ?	
What is the bond angle between F—C—	O ?	(C
What is the hybridization of the atom with t	the * ?	
Draw a 3D structure of the molecule around non zero dipole moment arrows.	and the atom with the * in the space above and then draw	<u>all</u>
Is the molecule as a whole [(polar) or (nonp	polar)] (circle one) $(5pts)$	