Quiz: Bonding & Molecular Geometry (Ch. 8 & 9) AP Chem Version A (30 pts)							9)	Name Period Date:	: d (circle o	one):	6	7	7		
1.						the co	mpound	l in 1a c number	llowing compounds. Include resonance alculate the formal charge on each atom. of each atom. NO <sub>3</sub> <sup>1-</sup>					. For	
-	b.	. C	S <sub>2</sub> (S is	more F	E.N.)			d.	BaCl <sub>2</sub>						
2.	doma drawi pairs Then, appro	nin/m ings need , for oxim	to mole to mole d only be each o ate bor	ar geomecules in the inclusion of the ge	netries n whi ided o cometr e(s) as	s combich the conthe cont	central acentral acen	s as are patom hatom.	oossible s 6 or le	nw as man e for this n ess electron ne VSEPR n of the ce	nolecton dor	ule. I mains ecular	Limi . No	t the on-bond ometry,	
<u>Drawi</u>				<u>ir Geon</u>	-	01 1101	-	Angle(s	)	Hybridiz	<u>zation</u>		F	<u>P/NP</u>	

3. (10 pts) Draw the Lewis structure for COCl <sub>2</sub> . Then, draw the orbital overlap that results for each of the following bonds. For each, name and draw the atomic or hybrid orbitals that each atom contributes to the bond and name the type of bond(s) formed (e.g., pi or sigma).							
	a.	Lewis structure					
	b.	Carbon-chlorine orbital overlap(s)					
	c.	Carbon-oxygen orbital overlap(s)					
	eac	atom a.					