Chemistry Chemical Bonding Review Sheet

1. Wh		or metallic) goes with each of the following?
	A. losing electrons	C. sharing electrons
	B. gaining electrons	D. sea of mobile electrons
2	N ₂ with a triple bond has a A. Shorter, stronger B. Shorter, weaker	
3		n dot formula indicates 3 covalent bonds is C. NH ₃ D. CH ₄
	B. shared unequally by 2 at	C. transferred from 1 atom to another D. located in a mobile "sea" of electons
5	The total number of pans of	shared electrons in an O2 molecule is
6	A. 1 B. 2 C. 3	
о	How many valence electrons	are there in an atom of suffur?
7		octet rule when bonding to form compounds? . it loses two electrons C. it shares electrons D. it splits electrons
8		oounds contains a polyatomic ion? K ₃ PO ₄ ; D. Ca(C ₂ H ₃ O ₂); E. Both C and D; F. None of these.
A.) Co B.) Le	w in the space provided PH ₃ unt Valence electrons wis Structure EPR shape	
A.) Co B.) Le	aw in the space provided SeO ₂ aunt Valence electrons wis Structure EPR shape	
11. Na	Cl most likely has what type of b	ond?
12. Su	gar ($C_6H_{12}O_6$) most likely has wh	at type of bond?
13. A ı	mixture of Ni, Ag, and Sn will ha	ve what type of bond?
14. Th	e molecule SiO2 would have whi	ch shape according to VSEPR?
	mplete the following for CCl ₄ Bond type (Intramolecular force	D. Determine the IMF for the molecule
B.	Draw the Lewis structure	E. Name the VSEPR shape of the molecule.
C.	Determine the overall polarity of	f the molecule.