Ch. 8 Chemical Bonding

1.) What type of bonding occurs when electrons are shared?
2.) What type of bonding occurs when electrons are transferred?
3.) What is the octet rule?
4.) What are the exceptions to octet rule?
5.) How many electrons are shared between two atoms in a triple bond?
6.) is a measure of how equally or unequally the electrons in a covalen bond are shared.
7.) In a bond, electrons are shared equally.
8.) In a bond, one of the atoms attracts e- to itself with greater force.

9.) Electronegativity _	from left to right across a period on the periodic table	
and	from bottom to top of a group on the periodic table	
10.) Determine the number of total electrons in SiF ₄		
11.) Determine the nu	ımber of total electrons in nitrogen trifluoride	
12.) Which of the follo	owing is an example of a covalent bond?	
a) K-Cl		
b) Al-Cl c) H-Cl		
d) Al-Al		
13.) Which of the following is an example of an ionic bond?		
a) Na-N		
b) N-N		
c) N-O		
d) O-H e) O-Si		
14.) Which of the following is an example of a polar covalent bond?		
a) F-F		
b) H-F		
c) K-F		
d) Al-Al		

15.) Draw the Lewis structure for the following ionic compounds		
1.) NaCl	3.) MgF ₂	
2.) MgO	4.) CaCl ₂	
16.) Draw the Lewis structure for the following molecules.		
1.) PH₃	3.) SO ₂	
2.) NH ₄ +	4.) C ₂ H ₂	