Name: _________________________________  Date:  May 28, 2002

1. What is the formula for dinitrogen pentoxide?  
2. How many atoms are there in 1 molecule of Sodium sulfate?  
3. What is the name for P_4O_{10}  
4. Which is the most electronegative element?  
5. What is the electronegativity of Oxygen?  
6. When there is transfer of electrons, the bond is called  
7. When there is sharing of electrons, the bond is called  
8. How many bonds are there between two atoms in N_2  
9. In CO_2, there are _________ bonding pairs and _________ non bonding pairs.  
10. What is the formula for a compound formed between Ga and S?  
11. Give an example of a bond where there is unequal sharing of electrons  
12. Give an example of a molecule where there is even sharing of electrons  
13. What is the charge on a Sulfite ion?  
14. What is the formula for Ammonium Phosphate?  
15. Write the electron dot formula for NCl_3  

16. Is NH_3 polar or nonpolar?  
17. Place δ+ and δ- on atoms in Cl-- O—Cl  
18. What is the charge on the metal in Fe_2S_3  
19. In CCl_4, how many non-bonding pairs are there?  
20. Place electrons to complete the following structure.

    H   O   H   
    H   C   C   C   N   H   
    H   H   H