**Chemistry Unit 5 Compounds Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lewis Structures Worksheet**

Draw the Lewis Structure. Indicate whether the structure is polar vs. nonpolar. If it is polar, mark the portion that carries the negative charge and the portion that carries the positive charge.

1. H2O 2. CH4

3. NH3  4. CO2

5. C2H6 6. CH3OH

7. CHCl3 8. CCl4

9. CH3NH2 10. H2CO

11. Define Isomer.

12. Determine the number of isomers of C3H7OH. Draw the Lewis Structure for each.

13. Define polymer and give one example of a polymer.

14. Draw the Lewis Structure for a) SF6 and b) PBr5 using expanded octets.