**Polarity Homework Sheet – General Chemistry**

1. Explain why lone pairs are considered “things” when considering the shapes of covalent molecules.
2. What is the main idea behind VSEPR? How does it affect polarity?
3. Why do polar molecules tend to have higher melting and boiling points than nonpolar molecules?
4. Draw the Lewis structure of each compound below and indicate the bond angles and shapes of the “things” around each atom.
5. nitrogen trichloride
6. BF3