

Name _____ Date _____ Period _____

Molecular Shapes and Polarity

1. Based on electronegativity difference, label the following bonds as being nonpolar covalent, polar covalent or ionic:
- a. O-H
 - b. C-H
 - c. Na-F
 - d. N-N
 - e. K-Br
 - f. O-Cl

Draw the Lewis structure and predict the molecular geometry for each compound. Then, indicate the polarity for the compound.

	Formula	Lewis Structure	Shape	Molecule Polarity
2.	H ₂ O			
3.	CO ₂			
4.	OF ₂			
5.	CCl ₄			