

Name _____ Pd _____ Date _____

Chemistry – Bond Polarity Lab

1. Classify the type of bond and use both partial charges and the dipole arrow to show bond polarity.

Bonding Atoms	Electronegativity			Bond Type	Draw Bond Showing:	
	Atom #1	Atom #2	Difference		Partial Charges	Dipole
H & H						
N & N						
O & O						
F & F						
Cl & Cl						
H & C						
H & N						
H & O						
H & Cl						
C & N						
C & O						
C & F						
P & O						
S & O						
Na & Cl						
Li & F						
Mg & Cl						
Mg & O						
Zn & Cl						
Zn & O						

2. Compare and contrast nonpolar covalent bonds and polar covalent bonds.

3. Compare and contrast a polar covalent bond and an ionic bond.