

Name: _____

Block: _____

Covalent Bond Polarity

For each bond:

1. Calculate the electronegativity difference ($\Delta\chi$) for the bond.
2. Classify the bond as either **polar** or **non-polar**.
3. If the bond is polar, draw an arrow above the bond showing the direction of polarity (pointing toward the more electronegative atom).

You will need a periodic table with electronegativity values for these problems.

Bond	$\Delta\chi$	Bond Character
C—N		
H—O		
N—O		
S—O		
C—S		
Si—O		
P—Cl		
O—F		
B—F		
Se—O		
C—Cl		
C—Br		