Name _____ Date _____
Regents Chemistry

# Determining Bond Polarity

**Directions:** Answer the questions below in complete sentences and complete the table listed below.

1. Define the term electronegativity. _____
_____

2. What is the electronegativity trend on the Periodic Table? _____
_____

3. Describe the three types of bonds described in the lecture and state how electronegativity values can be used to determine which type of bond exists.
_____
_____
_____

| Bond | Electronegativity Values | Difference in values | Bond Type |
|---|---|---|---|
| H-H | (2.1) (2.1) | 2.1 – 2.1 = 0 | Covalent |
| H-P | | | |
| C-H | | | |
| O-F | | | |
| O-I | | | |
| N-O | | | |
| S-O | | | |
| N-H | | | |
| Si-H | | | |
| H-Br | | | |
| H-Cl | | | |
| O-H | | | |
| H-F | | | |
| C-H | | | |
| B-H | | | |
| Na-O | | | |
| Na-N | | | |
| K-S | | | |
| K-P | | | |
| Na-Cl | | | |
| K-Cl | | | |
| Mg-Cl | | | |
| Sr-Cl | | | |
| Cu-Cl | | | |