

## Periodic Trend Research

1. Which trend are you researching? Electronegativity Trend
2. Define the word "**electronegativity**". \_\_\_\_\_
3. How is electronegativity measured? \_\_\_\_\_  
\_\_\_\_\_
4. What happens to the trend moving from **left to right** across a period? \_\_\_\_\_
5. Explain how this trend affects the **noble gases** \_\_\_\_\_  
\_\_\_\_\_
6. What happens to the trend moving **down a group**? \_\_\_\_\_
7. How does **Coulomb's Law** affect this trend? \_\_\_\_\_  
\_\_\_\_\_
8. Explain how the trend is different for **metals versus nonmetals**. \_\_\_\_\_  
\_\_\_\_\_
9. Which group/ element has the **largest value** for this trend? \_\_\_\_\_ / \_\_\_\_\_
10. Which group/ element has the **smallest value** for this trend? \_\_\_\_\_ / \_\_\_\_\_
11. How does this trend affects **ionic bonding**? \_\_\_\_\_  
\_\_\_\_\_
12. How does this trend affect **covalent** bonding? \_\_\_\_\_  
\_\_\_\_\_
13. How does this trend affect the bonds **polarity**? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
14. How do the **other trends** relate to electronegativity? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_