**Periodic Trends Worksheet Race**

1. What’s the most electronegative element? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What’s the least electronegative element? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What element in group 3 has the smallest atomic radius? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What halogen has the largest atomic radius? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. What element has the highest ionization energy? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. What element has the lowest ionization energy? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. What charge will an oxygen ion have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. What charge will a potassium ion have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Rank these elements by increasing atomic radius: Al, K, N, O.

\_\_\_\_\_\_\_\_\_\_ < \_\_\_\_\_\_\_\_\_\_ < \_\_\_\_\_\_\_\_\_\_ < \_\_\_\_\_\_\_\_\_\_

1. Rank these elements by increasing electronegativity: Rb, N, Se, Sr.

\_\_\_\_\_\_\_\_\_\_ < \_\_\_\_\_\_\_\_\_\_ < \_\_\_\_\_\_\_\_\_\_ < \_\_\_\_\_\_\_\_\_\_