CW – Periodic Trends

Name: Period:

1. Answer the questions below.
2. Why does the atomic radius decrease as you move across a period?
3. What does the atomic radius increase as you move down a group?
4. Why does ionization energy increase as you move across a period?
5. Why does ionization energy decrease as you move down a group?
6. For the elements: **Ca**, **As**, and **Cr**, rank them in order of…
7. Increasing atomic radius
8. Decreasing ionization energy
9. Increasing electronegativity
10. For the elements: **Se**, **O**, and **Po**, rank them in order of…
11. Decreasing atomic radius
12. Increasing ionization energy
13. Decreasing electronegativity