Name	Pd Date
Periodic Trends Worksheet	
 Circle the element with the largest atomic radi smallest atomic radius: Cu K Ni Explain why you made these choices. 	us and put a square around the element with the Br
2. Circle the element with the highest ionization of the lowest ionization energy: Cu K Ni Explain why you made these choices.	energy and put a square around the element with Br
3. Circle the element with the highest electroneg lowest electronegativity: Cu K Ni Explain why you made these choices.	ativity and put a square around the element with the Br
4. Circle the element with the largest atomic radi smallest atomic radius: O C Be Explain why you made these choices.	us and put a square around the element with the Ne
5. Circle the element with the highest ionization of the lowest ionization energy: O C Be Explain why you made these choices.	energy and put a square around the element with Ne
6. Circle the element with the highest electroneg lowest electronegativity: O C Be Explain why you made these choices.	ativity and put a square around the element with the Ne
7. Circle the element with the largest atomic radi smallest atomic radius: Na Rb Fr Explain why you made these choices.	us and put a square around the element with the H

8. Circle the element with the highest ionization er lowest ionization energy: Na Rb Fr Explain why you made these choices.	nergy and put a square around the element with the H
9. Circle the element with the highest electronegal lowest electronegativity: Na Rb Fr Explain why you made these choices.	tivity and put a square around the element with the H
10. Circle the element with the largest atomic radi smallest atomic radius: Pb C Sn Explain why you made these choices.	us and put a square around the element with the Si
11. Circle the element with the highest ionization of the lowest ionization energy: Pb C Explain why you made these choices.	energy and put a square around the element with Sn Si
12. Circle the element with the highest electronegonal the lowest electronegativity: Pb C Sn Explain why you made these choices.	ativity and put a square around the element with Si
13. Circle the element with the largest atomic radi smallest atomic radius: Au W S Fr Explain why you made these choices.	us and put a square around the element with the Ne Zn
14. Circle the element with the highest ionization of the lowest ionization energy: Au W S Explain why you made these choices.	energy and put a square around the element with Fr Ne Zn

- 15. Circle the element with the highest electronegativity and put a square around the element with the lowest electronegativity: Au W S Fr Ne Zn Explain why you made these choices.
- 16. Circle the ions that will have a larger radius than the radius of their neutral atom. Put a square around the ions that will have a smaller radius than the radius of their neutral atom.

 Na^{+} Sr^{2+} P^{3-} Cr^{3+} O^{2-} C^{4-} C^{4+} Ag^{+} Br

Explain why you made these choices.

17. Circle the ion in each set below that will have a largest radius. If there are more than two ions in a set, put a square around the ion that will have the smallest radius in the set. Explain why you made these choices.

a. Cu⁺ Cu²⁺

b. Cr^{3+} Cr^{2+} Cr^{6+} Cr^{4+}