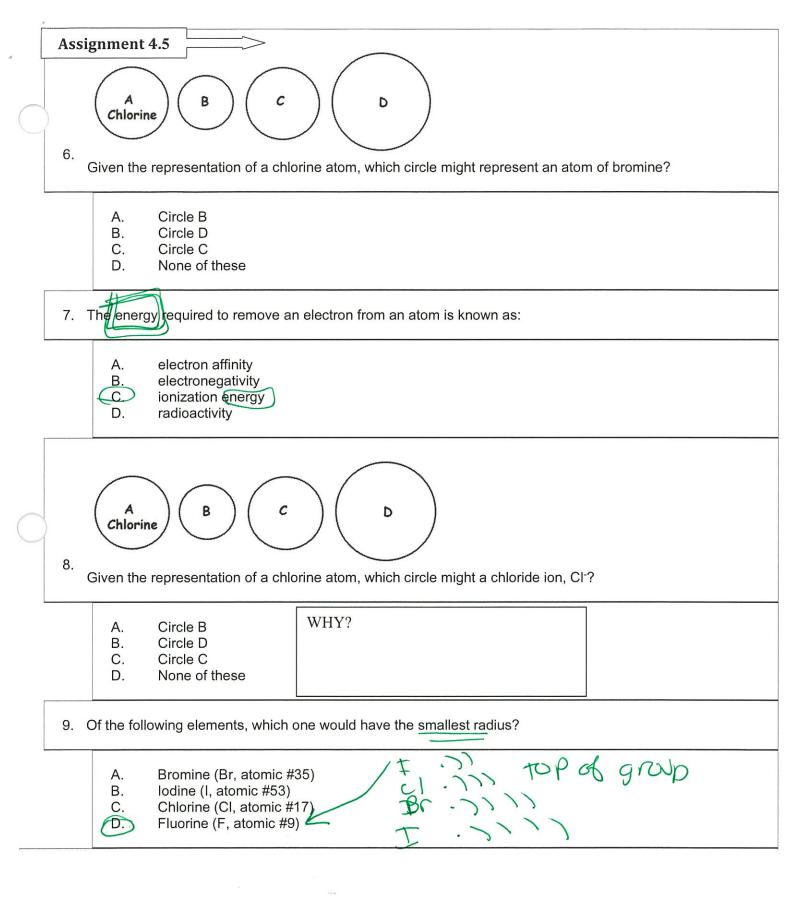
Assign	ment	4.5	

	the correct answer for each question- complete the Why box if there is one. ONLY evens due st. Odd answers will be posted on Mrs. Young's website.				
1. (the following elements, which one would have the largest electronegativity energy?				
	A. Fluorine (F, atomic #9) B. Bromine (Br, atomic #35) C. Iodine (I, atomic #53) D. Chlorine (CI, atomic #17) WHY? TOP & Grus can atract e better due to fewer shells blocking Thickeus				
2. 1	ne elements with the largest atomic radii are found in the:				
	 A. upper right-hand corner of the periodic table B. upper left-hand corner of the periodic table C. lower left-hand corner of the periodic table D. lower right-hand corner of the periodic table 				
3. 7	3. The most active metals are located in the:				
	A. lower left hand corner of the periodic table B. upper right hand corner of the periodic table C. lower right hand corner of the periodic table D. upper left hand corner of the periodic table				
4. <i>A</i>	nions have a charge and are than the atoms from which they formed.				
	A. negative/larger B. negative/smaller C. positive/smaller D. positive/larger				
5.	ne least electronegative elements are the:				
	A. Metalloids B. Noble gases C. Alkali metals D. Halogens (an Check table)				



Assignment 4.5
10. As one moves from left to right (→) within a period across the periodic table, the atomic radius of the elements encountered tends to:
A. stay the same B. decrease C. increase
11. A horizontal row (\rightarrow) of elements on the periodic table may also be referred to as a:
family group period
12. As one moves from left to right (→) within a period across the periodic table, the electronegativity of the elements encountered tends to:
A. stay the same B. decrease C. Increase
13. Given the representation of a chlorine atom, which circle might represent an atom of sulfur? A Chlorine B C C D
B. Circle D C. Circle B D. Circle C WHY? SCI Larger (table 5 of trend
14. As one moves from down (↓) a group on the periodic table, the electronegativity of the elements encountered tends to:
A. Decrease B. stay the same C. Increase
15. Of the following elements, which one would have the smallest radius?
A. Lithium (Li, atomic #3) B. Boron (B, atomic #5) Neon (Ne, atomic #10) D. Nitrogen (N, atomic #7) (tubles) Young 18

Assignment 4.5 16. Of the following elements, which one would have the largest radius?					
F. Nitrogen (N, atomic #7) G. Boron (B, atomic #5) H. Neon (Ne, atomic #10) I. Lithium (Li, atomic #3)					
16. As one moves from left to right (→) within a period across the periodic table, the ionization energy of the elements encountered tends to:					
decrease (table) increase C. stay the same	. 112				
17. Generally speaking, the group of elements with the highest first ionization energy is:					
A. Group 1 (B) Group 17 C. Group 16 WHY? FUCTUREST SOFT = Smallest radius & Nordest to remove (Most energy))				
18. Given the representation of a chlorine atom, which circle might represent an atom of bromine? A Chlorine B C					
A. Circle D None of these Circle B Circle C					
19. As one moves from down (↓) a group on the periodic table, the ionization energy of the elements encountered tends to:					
increase decrease c. stay the same WHY? More Shells = & I ess eversy to remove					
20. Of the following elements, which one would have the smallest ionization energy?					
A. Neon (Ne, atomic #10) B. Boron (B, atomic #5) C. Lithium (Li, atomic #3) D. Nitrogen (N, atomic #7)					

period family