1. What is the difference between atomic number and mass number? (2 points)

2. Which of the following list the elements K, Li, Be, C, and F in order of increasing 1st Ionization Energy? (1 point, circle only one answer)
   a. Li, K, Be, C, F
   b. K, Be, Li, C, F
   c. K, Li, Be, C, F
   d. K, C, F, Li, Be
   e. K, Be, C, Li, F

3. How many neutrons are there in:
   a. A germanium atom of mass number 73? (1 point)
   b. A Pt atom of mass number 195? (1 point)

4. What is the outer shell (or valence shell) electron configuration of the elements in group 17 (= group 7A)? (2 points):

5. Write the Lewis dot structures of the following elements: (1 point each):
   a. Tin
   b. Potassium

6. What is the maximum amount of electrons that can be placed in the second shell? (1 point, circle only one answer)
   a. 2
   b. 4
   c. 6
   d. 8
   e. 10

POINTS:________( of 10)