

Directions: Use your notes to answer the following questions.

Name:	Date:
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- 1. Rank the following elements by increasing atomic radius: carbon, alumunium, oxygen, potassium.
- 2. Rank the following elements by increasing electronegativity: sulfur, oxygen, neon, alumunium.
- Vhy does fluorine have a higher ionization energy than iodine?
- 4. Why do elements in the same family generally have similar properties?
- 5. Indicate whether the following properties increase or decrease from left to right across the periodic table.
- 6. What trend in atomic radius occurs down a group on the periodic table? What causes this trend?
- 7. What trend in ionization energy occurs across a period on the periodic table? What causes this trend?
- 8. Circle the atom in each pair that has the largest atomic radius.
 - a. Al or B
 - b. Na or Al c. S or O d. O or F e. Br or Cl f. Mg or Ca
- 9. Circle the atom in each pair that has the greater ionization energy.
 - a. Li or Be
 - b. Ca or Ba c. Na or K d. P or Ar e. Cl or Si f. Li or K
- 10. Define electeronegativity.