

Ionic Bond Worksheet

1. What are valence electrons?
2. Why are valence electrons important?
3. How can you tell how many valence electrons an element has?
4. What types of elements do ionic bonds form between?
5. What happens to valence electrons when ionic bonds are formed?
6. Why are cations positive?
7. Why are anions negative?
8. List the 4 questions to answer when you find the charge on an ion.
 - *
 - *
 - *
 - *
9. Find the charge on the following:

	Na	Se	Ca	Mg	Al	I	P	O
Ion these atoms will likely form								
Cation or Anion?								

10. Do chemical formulas have a charge even though they may be made from ions? Why?
11. What are the 2 purposes of subscripts in chemical formulas?
12. List the steps to write a good chemical formula:
 - *
 - *
 - *
13. Write good chemical formulas for each of the following combinations of elements:

Lithium & Chlorine	Magnesium & Sulfur
Cesium & Fluorine	Strontium & Oxygen
Potassium & Oxygen	Aluminum & Oxygen
Rubidium & Sulfur	Gallium & Sulfur
Calcium & Bromine	Sodium & Sulfur
Barium & Iodine	Sodium & Iodine

