

Ionic Bonding Worksheet

Stamp

Name: _____ Period: _____ Date: _____

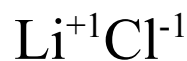
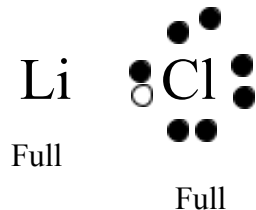
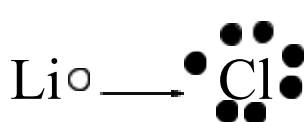
Complete the chart for each element.

Element	Symbol	# of Protons	# of Electrons	# of Valence Electrons	Lewis Dot Diagram	Favored ion charge
Sodium						
Calcium						
Aluminum						
Chlorine						
Beryllium						
Fluorine						
Lithium						
Iodine						
Oxygen						
Potassium						
Magnesium						
Phosphorus						

For each of the listed combinations of elements, compose the chemical formula if they were to form an ionic bond.

First draw the Lewis dot structure for each element, then show the completed Lewis dot structure for the ion, draw and label the ionic bond, and finally write the formula. Remember to use subscripts to denote the ratio of the metal to non-metal. If the ratio is 1:1 it does not need to be written.

1. Li+Cl



2. Ca+O

3. Be+F

4. Mg+S

5. Al+Cl

6. Na+O

7. Li+N

8. Mg+I

9. Al+O

10. Ca+P