Name: _____ Date: _____

Science 10 – Writing Ionic Formulas

Goal

I can write ionic formulas for simple binary ionic compounds.

Part A

1. Write the Lewis diagrams for _____ and _____.

2. When the metal becomes an ion, what happens?

3. When the non-metal becomes an ion, what happens?

4. How does this happen in this situation?

5. What happens after both the metal and non-metal become ions?

Part B

1. Use the ion tiles to model the compound for Part A. Draw a picture.

2. Fill in this chart for the compound in Part A.

Name	Cation	Anion	# Cations	# Anions	Formula

Name: _____ Date: _____

Part C

Build each of the following compounds using the ion tiles, then fill in the chart for each.

Name	Cation	Anion	# Cations	# Anions	Picture of Tiles	Formula
magnesium chloride						
sodium oxide						
magnesium oxide						
aluminum chloride						
sodium phosphide						
aluminum oxide						
magnesium phosphide						
aluminum phosphide						