

Bottle Lab Instructions:

Step 1: Write down the name of the chemical from the bottle. (Bottle # 9 in row 9)

Step 2: Write the cation. Include the symbol and charge. *Remember:* the charge comes from the group number. *Transitional metals will have the charge on the bottle already.*

Step 3: Write the number of valence electrons for the cation. *Remember:* Group # = valence electrons.

Step 4: Write the symbol and charge for the anion. *Remember:* The charge is equal to how many electrons it would need to gain to get to eight.

Step 5: Write the number of valence electrons for the anion. *Remember:* the charge comes from the group number.

Step 6: Write the formula for the compound. *Remember:* Use the criss-cross method.

Step 7: Determine the formula mass for each compound. *Note:* Add the atomic mass for each of the atoms in the element.