

ELO #9: Students will be able to describe how elements form compounds in nature and why they form compounds.

Standard(s) ELO is based upon: 8P.3.1.1.1

Learning Targets

1. I can interpret chemical formulas.

2. I can use an element's location on the periodic table to determine its oxidation number and bonding tendencies.

3. I can draw electron dot diagrams for individual elements, and to show ionic bond formation.

4. I can, given the name of an ionic compound, determine its chemical formula, including those that contain polyatomic ions and/or transition metals.

5. I can, given the chemical formula for an ionic compound, determine its name, including those that contain polyatomic ions and/or transition metals.

6. I can classify a compound as ionic or covalent.

7. I can draw electron dot diagrams to show covalent bond formation.

8. I can, given the name of a covalent compound, determine its chemical formula.

9. I can, given the chemical formula for a covalent compound, determine its name.