



# Thomas Haney Secondary School

Science 9

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LG 5: Ionic Compounds

## **Communicating:**

1. I can explain how proton number and number of electrons in an atom determine the atoms charge.
2. I can then use information about an atom such as atomic number, proton number and number of electrons in a neutral atom to create a Bohr diagram.
3. I can draw Bohr diagrams for the pairing of Metals and Non-metals in an ionic compound.
4. I can then explain using Bohr diagrams the exchange of electrons when metal and nonmetal atoms join together, forming ions and thus an ionic bond.

## **Evaluating:**

- 1./2./3. I can explain how drawing Bohr diagrams of elements and ions can help to explain how ionic compounds are formed, but are not so helpful when predicting the formula for Molecular Compounds.
4. I can explain how drawing Bohr for Polyatomic ionic compound (Metals joined to Polyatomic ions) is difficult and is too intricate and time intensive (takes too long) to be useful.