



## Learning Guide # 2: Atoms, Molecules and Ions

### BIG IDEA: Parts of the Atom, The Periodic Table, and Bonding

#### Fundamental Knowledge (I know)

- How to properly name a randomly chosen Ionic Compound
- The History that led to the current view of the atomic structure
- The difference between an Ion and an Atom
- How to correctly write symbols for isotopes that show number of protons and neutrons
- How to convert a chemical/empirical formula into a molecular formula
- How the Periodic table is organized AND can explain the difference groups, rows, and trends
- How to properly convert the name of a molecular compound to its formula and vice versa

This instructional video is quite long, so feel free to pause it just ahead, etc. Enjoy!

Link: <https://youtu.be/XuYOETMWhf0>