**Chapter 3 Study Guide**

* How did the following scientists contributed to the atomic model
  + Dalton
  + Thomson
  + Rutherford
  + Bohr
* Mendeleev’s periodic table is based on what?
* How do you find the protons, neutrons, and electrons of an element? (Be able to find each)
* Where are the alkali metals, alkaline earth metals, transition metals, metalloids, halogens, noble gases, lanthanides, and actinides are found on the periodic table.
* Are most metals solid, liquid, or gas? Are most nonmetals solid, liquid, or gas?
* Do noble gases react with other elements? Why or why not? Also, what is so special about group 1 elements?
* How are elements within a column similar?
* What are the properties of metals, nonmetals, and metalloids?
* What is structure of the atom (ex: protons and neutrons in nucleus and electrons are circling around)?
* What are the charges of a protons, neutron, and electron?
* What are the family names of all the groups, including the nonmetals?

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