

Open to your Notes Section and label your paper with the following:

Chemistry Notes

(To be used in conjunction with Heating & Cooling Notes)

Atomic Number-

States the number of protons (p^+) and electrons (e^-) in one atom of an element.

Neutrons-

To find the number of neutrons (n) in one atom of an element, use the following equation:

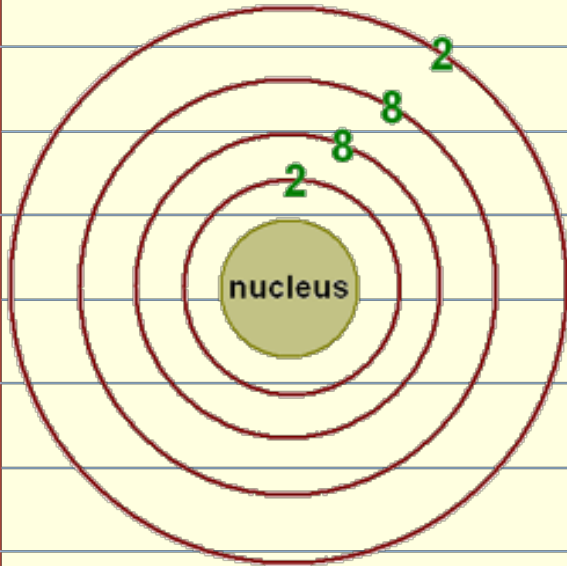
$$\text{atomic weight} - \text{atomic number} = \text{neutrons}$$

* Be sure to round the atomic weight

** Each p^+ and n have the weight of one atomic mass unit (amu)

Electrons-

Electrons (e^-) orbit around the nucleus of an atom. Only a certain amount of electrons can fit at specific distances from the nucleus. These distances are called Electron Orbitals or (Shells).



Valence Electrons-

Electrons (e^-) in the outermost shell that are responsible for chemical reactions and atoms bonding together to form molecules.