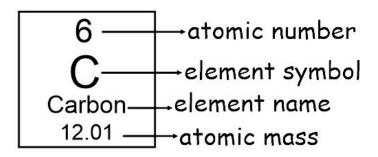
Periodic Table notes

<u>Period</u>: (Horizontal row) Describes the number of electron shells the element has.

-As you read across the periodic table the electron shell fills.

Group: (vertical columns) Tell you how many valence electrons are in the outer electron shell.



An electron's movement is related to its energy level, or the specific amount of energy it has. <u>Valence electrons</u>: Electrons that have the highest energy level and are held most loosely. Bohr model: shows all electrons.

ex: for Boron

<u>Lewis/electron dot structure</u>: includes the symbol for the element surrounded by dots to represent valence electrons.

ex: for Boron B

The <u>number of protons</u> = the atomic number

The <u>number of electrons</u> = the number of protons

The <u>number of neutrons</u> = the atomic mass - the atomic number