

Periodic Table notes

Period: (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.

6	→	atomic number
C	→	element symbol
Carbon	→	element name
12.01	→	atomic mass

An electron's movement is related to its energy level, or the specific amount of energy it has.

Valence electrons: Electrons that have the highest energy level and are held most loosely.

Bohr model: shows all electrons.

ex: for Boron

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

ex: for Boron **B**

The number of protons = the atomic number

The number of electrons = the number of protons

The number of neutrons = the atomic mass - the atomic number