

Notes for Periodic Table

- **Dimitri Mendeleev – Created the first periodic table**
- **118 elements – 92 formed naturally, others formed in particle accelerator**
- **Elements arranged according to number of protons (atomic number)**
- **Similar elements are arranged in groups (columns)**
- **Metals are located on the left-hand side, non-metals on located on the right-hand side, and metalloids are along the stair-step line.**
- **Each proton and each neutron has a mass of 1 atomic mass unit (amu)**
- **Mass of electrons is ignored.**
- **Mass number = number of protons and neutrons (round off bottom number on the periodic table.**
- **Determining Number of Protons, Electrons, and Neutrons**
 - **Atomic number = Number of protons and also number of electrons**
 - **Mass number – atomic number = number of neutrons.**