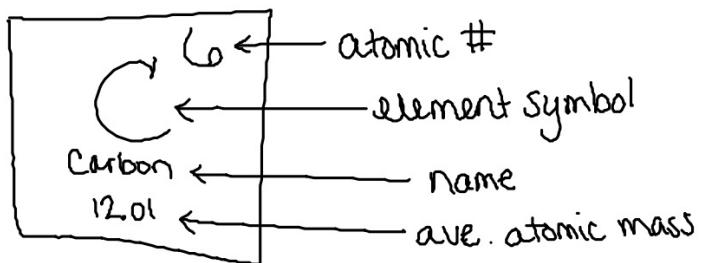


11/7/14

Periodic Table:

D. Mendeleev - created the 1st periodic table based on increasing atomic mass,
He was able to leave spaces for elements yet undiscovered.

H. Moseley - Modern Periodic Law - placing elements in order
of increasing Atomic # (# of protons) - elements
behavior is a result of their atomic #.



	IA	IIA	Solid	Metal	Liquid	Semi-Metal	Gas	Non-Metal
1	Li	B						F
2	Mg	Be						O
3								Ne
4								Ar
5								Rn
6								Fr
7								

6	La	6
7	Ac	7

inner transition

Atomic # = # of protons

IA IIA IA IIIA IVVA VIIIA

Group A = # of e⁻ on the valence
(Used to find charge)

Periods = # of energy levels

Families (↑): groups of atoms w/ similar characteristics

Group IA = Alkali metals - most reactive metals

IIA = Alkaline Earth Metals
Very reactive metals

Transition + Inner Transition have incomplete filling of the energy levels.

VIIA - Halogens
most reactive non-metals

VIIIA - Noble Gases
unreactive

