

Chem Ch 5 SG

Nonmetals form a _____ charge when they _____ electrons.

How many valence electrons do the following elements have?

Li, Na, K, Rb, Ca, Si, C, O, Xe, P, Br, F

What state of matter are the following?

What did Mosley do? Be Specific?

Metals, Nonmetals, Metalloids

Where is the Lanthanide series? Actinide?

Periodic trends:

- Ionization NRG
- Electronegativity
- Atomic Radius
- Ionic Radius

How do you form an ion?

What did Lavoisier do? Be Specific?

Metals form a _____ charge when they _____ electrons.

What is the electron config for group 1, 2, 13, 14, 15, 16, 17, 18?

Terms

What did Mendeleev do? Be Specific?

What is the group name for...

- Group 1, 2, 17, 18 (others?)

Where do you find representative elements?

More (or repeats)

Know what these ppl did (Mendeleev, Mosley, Lavoisier)

How are anions formed? Which elements will make anions?

Know the **trends** (left to right, right to left, top to bottom, bottom to top)

How are cations formed? Which elements will make cations?

How do you make an electron dot?

Know the group names (alkali, alkaline earth, etc)

Know the blocks (location, # of e^- held, etc)

Know the location of Metals, NM, and Metalloids

Know the **trends** (left to right, right to left, top to bottom, bottom to top)

Be able to find elements given their NRG Lvl, block, # e^- , or their electron config

What is an atomic #, atomic mass? Where are they located?

What's a valence electron?

What's the difference b/t 1st, 2nd, 3rd... ionization NRG? When do they get a lot larger?

Know the **trends** (left to right, right to left, top to bottom, bottom to top)