* **6.3 Periodic Trends**
* **Atomic Size**
* As you go down the periodic table, the atomic size \_\_\_\_\_\_\_\_ due to more energy levels
* As you go across, the atomic size \_\_\_\_\_\_\_\_ because of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_-
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: the nuclear charge pulls the outer electrons in closer the nucleus
* \_\_\_\_\_\_\_\_\_\_\_\_\_: when the outer shell is filled with electrons, making the atom the most stable
* **Atomic Size**



* **Ions**
* Atoms that has a positive or negative charge
* These form when \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_: positive ion/ loss electrons/ tends to be metals Example (Na+)
* \_\_\_\_\_\_\_\_\_: negative ion/ gained electrons /tends to be nonmetals Example (Cl-)
* In the ionic size pairs, metals tend to be \_\_\_\_\_\_\_\_\_ when they are ions and nonmetals tend to be \_\_\_\_\_\_\_\_\_\_ when they are ions
* **Electronegativity**
* The ability of an atom \_\_\_\_\_\_\_\_\_electrons when atoms are in a compound
* The most electronegative element is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The least electronegative element is \_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Easiest way to determine trend is how \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Electronegativity Trend**



* **Try These Out**
* Put in order of increase atomic size
	+ - Nitrogen, Carbon, Boron, Oxygen
* Put in order of higher electronegativity
	+ Calcium, Cesium, Magnesium, Aluminum