Unit 4
Class Work

NAME 12/4/13

4.9 Electronegativity

SPARK: submit bathroom passes

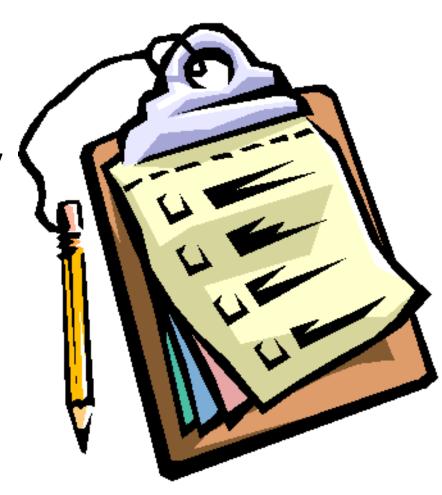
Complete participation rubric!

Write down this definition:

Electronegativity: The tendency of an atom to attract electrons toward itself.

Agenda:

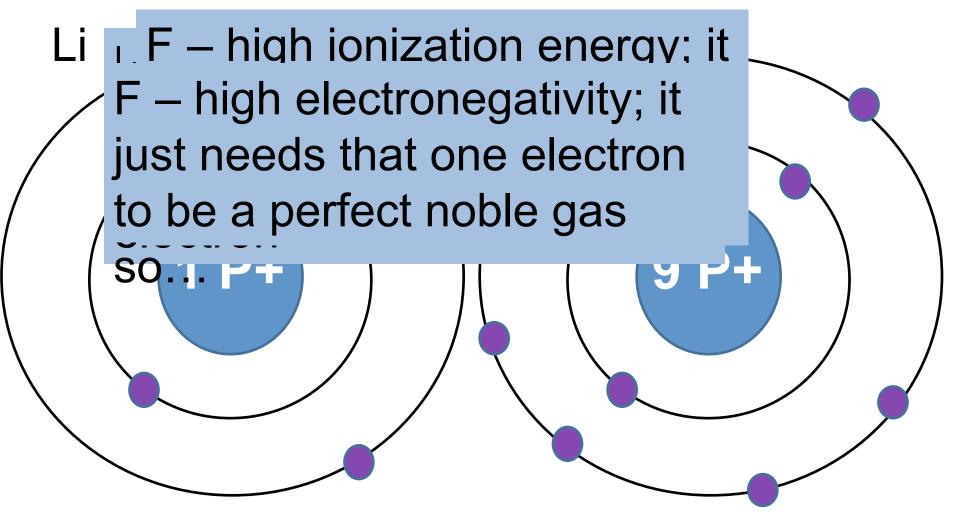
- Do Now/Objective
- Trends in Electronegativity
- Practice
- Homework



Trend: Electronegativity

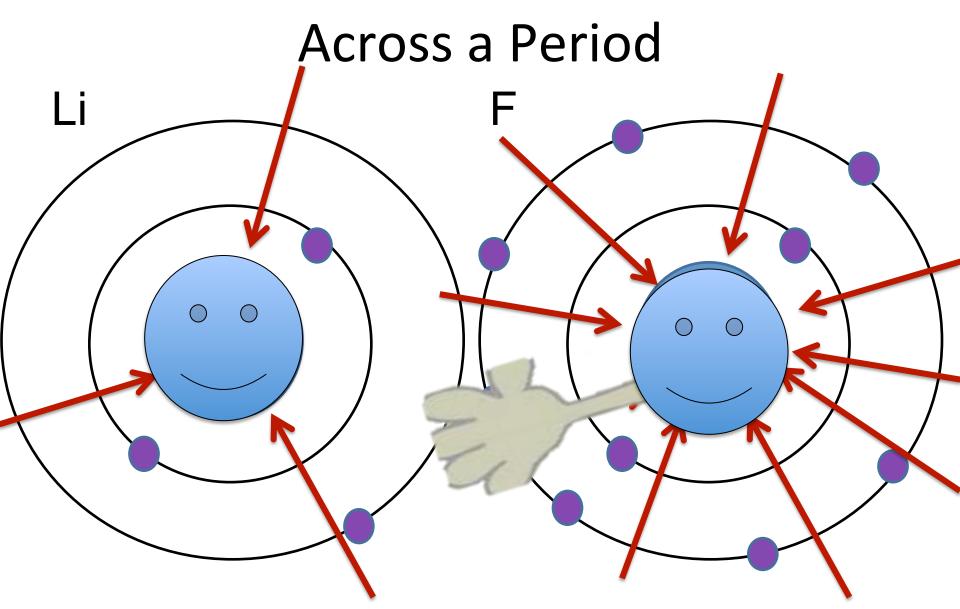


Across a Period



Electronegativity

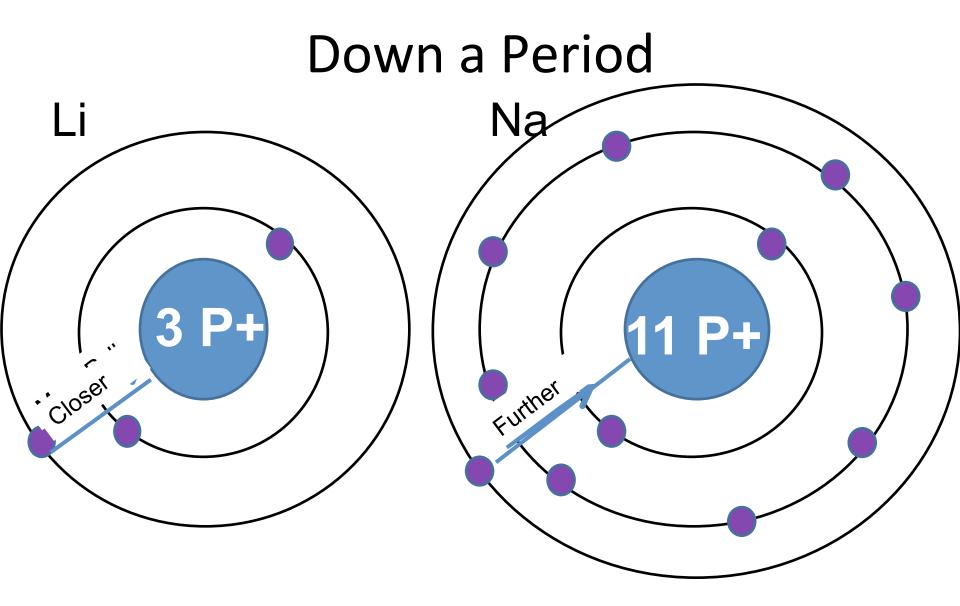
- Across a period: Electronegativity Increases
 - As the number of protons increases, electrons are more strongly attracted and hence...
 - They will have more pull on other atoms electrons



Electronegativity

Down a group: Electronegativity Decreases

- There are more energy levels.
- Prospective electrons from other atoms will be shielded from the attraction forces of the additional protons by other energy levels of electrons



Mid Lesson "Exit" Ticket

Describe the trends

- 1. Ionization Energy
 - A. Left to Right: Increase or Decrease
 - EXPLAIN!
 - B. Top to Bottom: Increase or Decrease
 - FXPI AIN!
- 2. Electronegativity
 - A. Left to Right: Increase or Decrease
 - EXPLAIN!
 - B. Top to Bottom: Increase or Decrease
 - EXPLAIN!
 Objective: SWBAT explain trends in electronegativity

Independent Work

- Complete the 4.9 worksheet!
- If there is time remaining, we will review 4.8
 HW on the document camera

HOMEWORK

Work on Unit 4 Flash Cards!