

### LESSON 3. PERIODIC LAW

#### HOMEWORK

- 1) Which of the following is an alkaline earth metal?
  - a. Lithium
  - b. Rubidium
  - c. Strontium
  - d. Yttrium
  - e. Scandium
- 2) Which other elements have similar properties to lithium and potassium?  
(Pick two)
  - a. Aluminum
  - b. Beryllium
  - c. Calcium
  - d. Copper
  - e. Francium
  - f. Rubidium
- 3) The atomic radius decreases as you move from left to right across period.  
Look at the table and predict the atomic radius of the elements below:

| Element            | Atomic Radius (pm) |
|--------------------|--------------------|
| <b>Argon</b>       | 71                 |
| <b>Boron</b>       | 87                 |
| <b>Carbon</b>      | 67                 |
| <b>Chlorine</b>    | 79                 |
| <b>Oxygen</b>      | 48                 |
| <b>Phosphorous</b> | 98                 |

a) Nitrogen \_\_\_\_ pm

b) Sulfur \_\_\_\_ pm

