

Name: \_\_\_\_\_

Section: \_\_\_\_\_

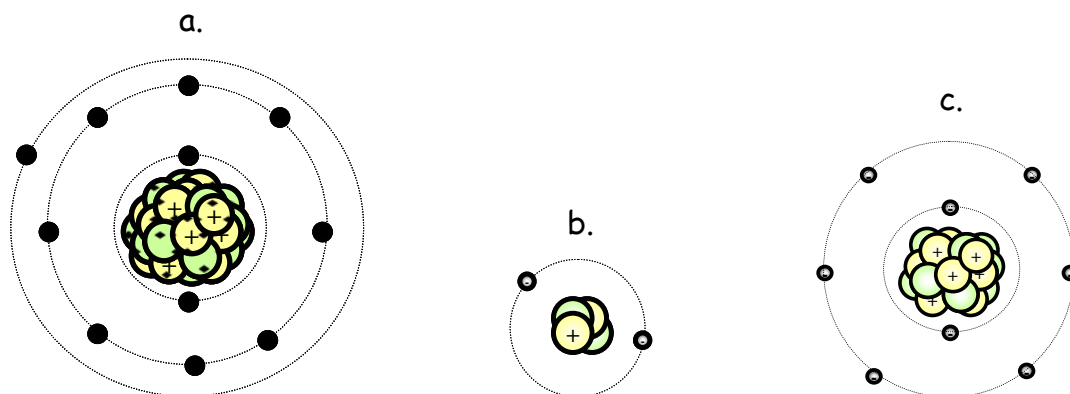
### Understanding Periods and Groups

Directions: Using your Periodic Table of Elements and your knowledge of periods and groups, answer the following questions.

1. How many periods make up the periodic table?
  
2. How many groups make up the periodic table?
  
3. How many elements make up period one (1)? Period three (3)? Period six (6)?
  
4. How many elements make up group seven (7)? Group fourteen (14)? Group eighteen (18)?
  
5. Name the element that resides here:
  - a. Group eighteen (18) - Period five (5) \_\_\_\_\_
  - b. Period seven (7) - Group two (2) \_\_\_\_\_
  - c. Group one (1) - Period one (1) \_\_\_\_\_
  - d. Period three (3) - Group sixteen (16) \_\_\_\_\_
  - e. Group ten (10) - Period six (6) \_\_\_\_\_
  - f. Period one (1) - Group eight (8) \_\_\_\_\_

6. Which of the following pairs would most-likely have similar physical and chemical properties? Explain your answer.
- Lithium and Selenium
  - Vanadium and Radon
  - Sodium and Potassium

7. Which of the following represent an atom from period three? Explain your answer.



8. Which of the following atoms could reside in the same group? Explain your answer.

