

Name: _____

Period: _____

Date: _____

- a. Identify the block of location of each hypothetical main-group element.

- b. Which of these elements are in the same period? Which are in the same group?

- c. Which element would you expect to have the highest first ionization energy? Which would have the lowest first ionization energy?

- d. Which element would you expect to have the highest second ionization energy?

7. Define valence electrons: _____

8. In which shells are the valence electrons found and why are they important?