

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

On the lines below, write the word or words that best fit the description on the left. When you are finished, the boxed-in letters will spell out one of the topics discussed in this chapter. Fill in that word or phrase in the space provided.

1. Statement that the physical and chemical properties of the elements are periodic functions of their atomic numbers

\_\_\_\_\_  \_\_\_\_\_

2. Another name for Family I A

\_\_\_\_\_  \_\_\_\_\_

3. Another name for Family V A

\_\_\_\_\_  \_\_\_\_\_

4. Another name for Family VIII A

\_\_\_\_\_  \_\_\_\_\_

5. Vertical column of elements

\_\_\_\_\_  \_\_\_\_\_

6. Elements that are poor conductors of heat and electricity, are generally dull and brittle, and have low melting points

\_\_\_\_\_  \_\_\_\_\_

7. The group with six valence electrons

\_\_\_\_\_  \_\_\_\_\_

8. Metals with properties similar to each other but different from those of any other family

\_\_\_\_\_  \_\_\_\_\_

9. Elements that have properties of both metals and nonmetals

\_\_\_\_\_  \_\_\_\_\_

10. Active metals with atoms having two valence electrons

\_\_\_\_\_  \_\_\_\_\_

11. The family of elements that contains the most active nonmetals

\_\_\_\_\_  \_\_\_\_\_

12. Another name for a group

\_\_\_\_\_  \_\_\_\_\_

Elements with four valence electrons are Family IV A, or the \_\_\_\_\_