

CHAPTER

13**VOCABULARY REVIEW WORKSHEET***Bringing It to the Periodic Table*

Complete the following puzzle after you finish reading Chapter 13.

On the next page is a partially filled-in quotation by Dmitri Mendeleev. Fill in the term described by each clue below. Then put the numbered letters into the corresponding squares on the next page to find out what Mendeleev said. The answers to questions 9–11 are chemical symbols.

1. states that the properties of elements are periodic functions of their atomic numbers

59 ____ 16 ____ ____ 27 40 24 ____ ____ 41

2. column or family in the periodic table

19 35 58 ____ ____

3. any element in Groups 3–12

31 ____ 14 ____ ____ 43 ____ ____ 55 18 ____ 7 33 10 ____ ____

4. elements in Group 1

17 ____ ____ 22 ____ 48 ____ 8 ____ 36 ____ 11

5. having a regular, repeating pattern

52 ____ 15 ____ 25 ____ 28 23

6. metals with two electrons in the outer energy level

51 ____ ____ ____ ____ 50 ____ 20 ____ 42 ____ 54 ____ 2

7. a row of elements

61 6 26 ____ ____ 56

8. elements that don't react readily with other elements

29 ____ 49 ____ 62 ____ 44 ____ ____ ____ 64

9. atomic number 9

13

10. atomic number 39

57

11. atomic number 54

47 63

