Name _____ Class_____Date_____

Activity

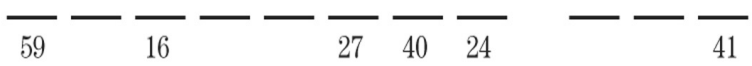
Vocabulary Activity

Bringing It to the Periodic Table

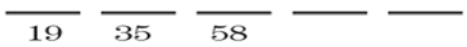
After you finish reading the chapter, try the following puzzle.

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.

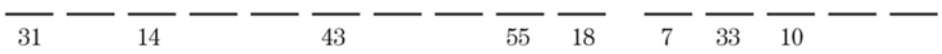
1. states that the properties of elements are periodic functions of their atomic numbers



2. column or family in the periodic table

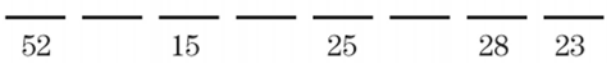


3. any element in Groups 3–12

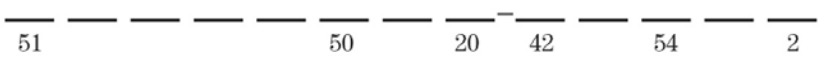


4. elements in Group 1

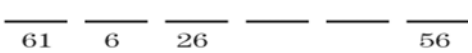
5. having a regular, repeating pattern



6. metals with two electrons in the outer energy level



7. a row of elements



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

9. atomic number 9

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10. atomic number 39

57

11. atomic number 54

47 63

12. elements having properties of metals and nonmetals

39 46 37 5 12

13. the first rows of transition metals at the bottom of the periodic table

1 9 34 4

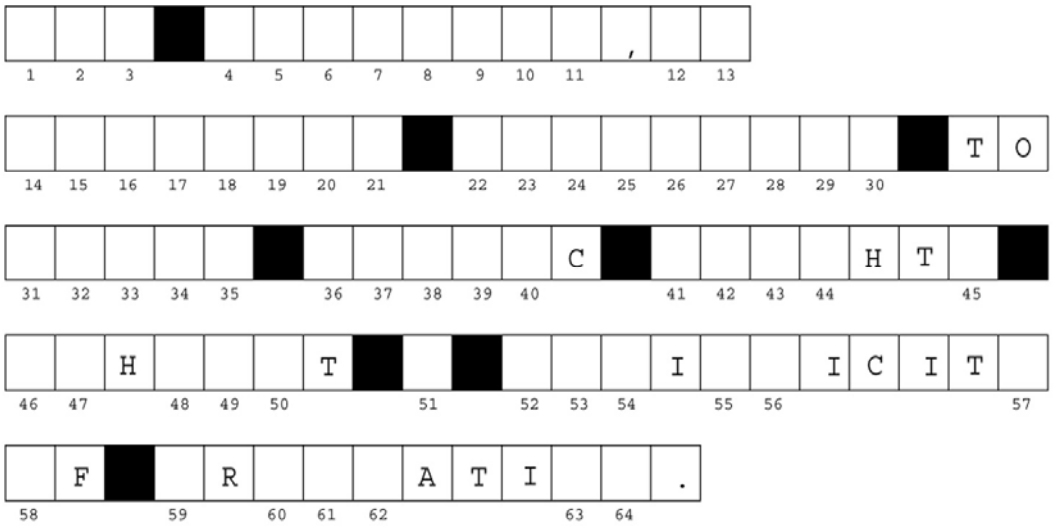
14. the most abundant element in the universe

21 38 3

15. group containing iodine and chlorine

32 60 30 53 45

MENDELEEV'S QUOTATION:



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