

Bringing it to the Periodic Table

On the bottom of the 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. Chart that organizes the elements by their properties and atomic number.

59 16 27 40 24

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 9 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

37

11. atomic number 54

47 63

12. elements having properties of metals and nonmetals

39 46 37 5 12

13. the first row 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

16. Tungsten

41

Mendeleev's Quotation:

1	2	3	4	5	6	7	8	9	10	11	12	13
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31	32	33	34	35	36	37	38	39	40	G	41	42	43	44	H	T	45
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46	47	H	48	49	50	T	51	52	53	54	I	55	56	I	C	I	T	57
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58	F	59	R	60	61	62	R	T	I	63	64
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