

THE PERIODIC TABLE

A chemical element is any one of the known kinds of basic chemical substances. The periodic table arranges the elements in horizontal rows, called periods, according to their atomic number. Use the periodic table on page 59 and the clues about the elements below to identify the Russian chemist who devised the most common periodic table. The circled letters, when written in order at the bottom of the page, will spell out his name.

Which element . . .

1. has an atomic number of 86?
2. appears directly above sodium?
3. appears to the left of neon?
4. has an atomic number of 7?
5. appears directly above silver?
6. has the symbol Fe?
7. has the symbol K?
8. appears directly below tin?
9. appears to the left of copper?
10. appears directly below barium?
11. has an atomic number of 53?
12. appears directly below oxygen?
13. has an atomic number of 1?
14. appears directly below phosphorus?
15. has an atomic number of 23?

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Who was the chemist?
