

Discovering the Periodic Table

Upper Primary Advance Science

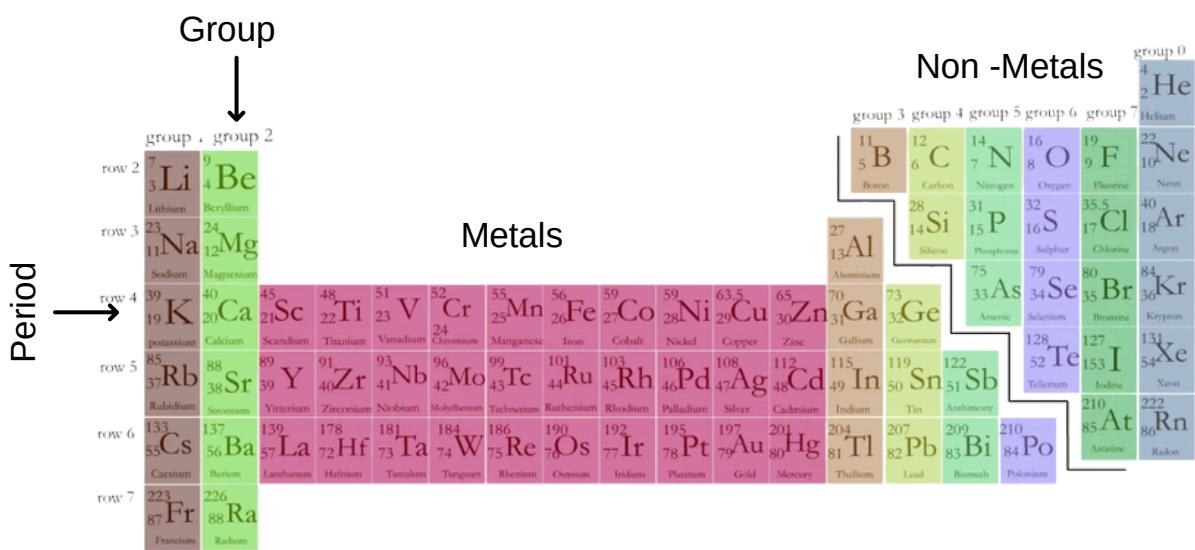
Answer the questions after reading the passage. Circle your answers.

In 1869, a Russian scientist named Dmitri Mendeleev created the periodic table by arranging elements in order of increasing atomic number, which is the number of protons in an atom's nucleus.

The table has rows called **periods** and columns called **groups**. Elements in the same group share similar properties, like reactivity. For example, the alkali metals in Group 1, such as lithium and sodium, react strongly with water.

Metals occupy the left side and center, while nonmetals are on the right, separated by a zigzag line. The first 20 elements include familiar ones like hydrogen (H), oxygen (O), and carbon (C), which form the building blocks of everything around us—from air to our bodies.

Mendeleev left gaps for undiscovered elements, predicting their properties accurately, which proved his genius



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Questions

1. In what year did Dmitri Mendeleev create the periodic table?
 - a) 1769
 - b) 1869
 - c) 1969
 - d) 1896
2. How are elements arranged in the periodic table?
 - a) By color
 - b) By increasing atomic number
 - c) By size of atoms
 - d) Alphabetically
3. What are the rows in the periodic table called?
 - a) Groups
 - b) Metals
 - c) Families
 - d) Periods
4. Which group contains alkali metals like lithium and sodium?
 - a) Group 1
 - b) Group 7
 - c) Period 1
 - d) Period 2
5. Where are most metals located on the periodic table?
 - a) Right side
 - b) Left side and center
 - c) Top row
 - d) Bottom row

Discovering the Periodic Table - Solutions

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