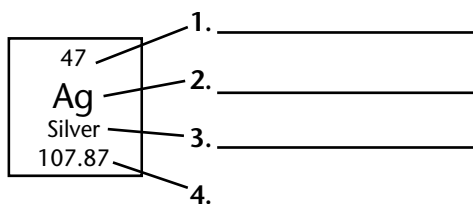


Elements and the Periodic Table ▪ 4.2 Review and Reinforce

Organizing the Elements

Understanding Main Ideas

The diagram below is a square from the periodic table. Label the four facts shown about each element.



Answer the following questions in the spaces provided.

5. In what order did Mendeleev arrange the elements in the periodic table?

6. What do elements in the same column in the periodic table have in common? _____
7. What can you predict about an element from its position in the periodic table? _____

Building Vocabulary

From the list below, choose the term that best completes each sentence.

- atomic mass period chemical symbol
periodic table group

8. An element's _____ is its row in the periodic table.
9. Mendeleev was the first to arrange elements in a(n) _____ based on their properties.
10. Elements in a(n) _____, or family, of the periodic table have similar characteristics.
11. A(n) _____ is an abbreviation for the name of an element and has either one or two letters.
12. The _____ of an element is the average mass of all the isotopes of that element.