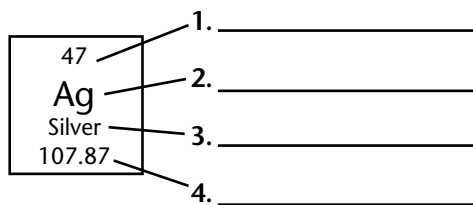


Elements and the Periodic Table ▪ *Review and Reinforce***Organizing the Elements****Understanding Main Ideas**

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



Answer the following on a separate sheet of paper.

- In what order did Mendeleev arrange the elements in the periodic table?
- What do elements in the same column in the periodic table have in common?
- 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 group
periodic table

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