6.1

ORGANIZING THE ELEMENTS

Section Review

Objectives

- Explain how elements are organized in a periodic table
- Compare early and modern periodic tables
- Identify three broad classes of elements

Vocabulary

- periodic law
- metals
- nonmetals
- metalloids

Part A Completion

Use this completion exercise to check your understanding of the concepts and terms that are introduced in this section. Each blank can be completed with a term, short phrase, or number.

Chemists used the of elements to sort them into groups.	1
The periodic table organizes the elements into vertical2	2
and horizontal3 in order of increasing4 The table is	3
constructed so that elements that have similar chemical properties	4
are in the same 56 have a high luster, or sheen,	5
when cut. Most nonmetals are7 at room temperature.	6
Elements with properties that are similar to those of metals	7
and nonmetals are called <u>8</u> . Across the periodic table,	8
the properties of elements become 9 metallic and	9
	10.

21. Name two elements that have similar properties to those of chlorine.