

3-7 What is the periodic table?

Lesson Review

Match each term in **Column A** with its definition in **Column B**. Write the letters of the correct answers in the spaces provided.

Column A

- _____ 1. Elements in the modern periodic table are arranged in increasing order of this.
- _____ 2. Chemical symbols for some elements come from this language.
- _____ 3. first person to create a periodic table
- _____ 4. horizontal row of elements in the periodic table
- _____ 5. repeating pattern
- _____ 6. vertical column of elements in the periodic table
- _____ 7. The first letter of a chemical symbol is always this.

Column B

- a. Latin
- b. periodic
- c. group
- d. atomic number
- e. period
- f. capitalized
- g. Mendeleev

Skill Challenge

Skills: *identifying, organizing*

Complete the table below by filling in the correct symbol, period, or group of each element.

CHEMICAL SYMBOLS		
Symbol	Period	Group
H		1
Li	2	
	4	4
Au	6	
Cu		11
	4	1
	5	1
Fe		8
W	6	
	2	16

3-8 What are metals and nonmetals?

Lesson Review

Decide whether each item is likely to describe a metal, a nonmetal, or both. Write *M* for metal, *N* for nonmetal, or *B* for both in the spaces provided.

- _____ 1. may be an element
- _____ 2. can be hammered into different shapes
- _____ 3. can carry an electrical current
- _____ 4. is located to the right side of the zigzag line on the periodic table
- _____ 5. may be a solid
- _____ 6. can be drawn into thin wires
- _____ 7. has shiny luster
- _____ 8. is a poor conductor of heat

Skill Challenge

Skills: observing, classifying, organizing

List ten common objects that you see every day. Note what type of substance each object is made of. Then, classify each substance as a metal or a nonmetal. Finally, describe one or more properties of each substance that make it useful. Organize your information by filling in the table below. The first one has been done for you.

METALS AND NONMETALS			
Object	Substance	Metal or Nonmetal?	Useful Properties
1. frying pan	aluminum	metal	conducts heat
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			