

Skills Worksheet

Section Review

Arranging the Elements

USING KEY TERMS

1. In your own words, write a definition for the term *periodic*.

UNDERSTANDING KEY IDEAS

- _____ 2. Which of the following elements should be the best conductor of electric current?
- a. germanium
 - b. sulfur
 - c. aluminum
 - d. helium
3. Compare a period and a group on the periodic table.

4. What property did Mendeleev use to position the elements on the periodic table?

5. State the periodic law.

CRITICAL THINKING

6. **Identifying Relationships** An atom that has 117 protons in its nucleus has not yet been made. Once this atom is made, to which group will element 117 belong? Explain your answer.

Section Review *continued*

7. **Applying Concepts** Are the properties of sodium, Na, more like the properties of lithium, Li, or magnesium, Mg? Explain your answer.

INTERPRETING GRAPHICS

8. The image below shows part of a periodic table. Compare the image below with the similar part of the periodic table in your book.

1	1 H 1.0079 水素			
2	3 Li 6.941 リチウム	4 Be 9.01218 ベリリウム		
3	11 Na 22.98977 ナトリウム	12 Mg 24.305 マグネシウム		
4	19 K	20 Ca	21 Sc	22 Ti
