| Name | Class | Date |
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| Skills Worksheet | | |
| Section Review | I | |
| Section Review | | |
| Arranging the Eleme | onts | |
| USING VOCABULARY | ,1103 | |
| 1. Write an original definiti | on for <i>periodic</i> . | |
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| | | |
| UNDERSTANDING CONCEP | TS | |
| 2. Comparing What is the operiodic table? | lifference between a perio | od and a group on the |
| periodic table. | | |
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| | | |
| 3. Identifying Identify the e | elements in the compound | l NaCl. |
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| | | |
| 4. Describing What is atom | ic number, and what relat | ionship does it have to the |
| periodic table? | | |
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| Section Review continued | | Date |
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| | | |
| . Classifying What class of ele the periodic table? | ements makes up the | groups on the right side of |
| | | |
| | | |
| . Describing On the basis of velements on the periodic tab | | ndeleev position the |
| | | |
| | | |
| | | |
| RITICAL THINKING | | rotons in its nuclaus has |
| 7. Identifying Relationships An not yet been made. Once thi element 117 belong? Explair | s atom is made, to w | |
| not yet been made. Once thi | s atom is made, to w | |
| not yet been made. Once thi | s atom is made, to w | |
| not yet been made. Once thi | s atom is made, to w | |
| not yet been made. Once thi | s atom is made, to w | |
| not yet been made. Once thi | s atom is made, to w | |
| not yet been made. Once thi | s atom is made, to w | |
| not yet been made. Once thi | s atom is made, to w | |

| Name | Class | Date | |
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| Section Review continued | | | |

INTERPRETING GRAPHICS

Use the image below of part of a periodic table to answer the next three questions.

| 1 | 1 H 1.0079 Hydrogen | | | | |
|---|---------------------------------|---------------------------------|-----------------------------------|--------------------------------|--|
| 2 | 3 Li 6.941 Lithium | 4 Be 9.01218 Beryllium | | | |
| 3 | 11 Na 22.98977 Sodium | 12 Mg 24.305 Magnesium | | | |
| 4 | 19 K 39.0983 Potassium | 20 Ca 40.078 Calcium | 21 Sc 44.955910 Scandium | 22 Ti 47.867 Titanium | |
| | | | | | |

8. Making Comparisons To which region of the periodic table does this image correspond?

- **9. Making Comparisons** How does the information shown compare with the information shown in the periodic table in your book?
- **10. Applying Concepts** Can you determine the number of protons in an atom of sodium from this image? Explain your reasoning.

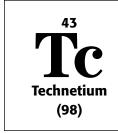
| Name | Class | Date | |
|-----------------------------------------------------------------------------------------------|------------------------|--------------------------|--|
| Section Review continued | | | |
| CHALLENGE | | | |
| 11. Applying Concepts Locate s table. Identify the group an more like the properties of | d period for each. Are | the properties of sodium | |
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| Name | Class | Date |
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| Skills Worksheet | | |
| Section Review | | |
| Section Review | | |
| | | |
| Grouping the Element USING VOCABULARY | ıts | |
| Complete each of the followir word bank. | ng sentences by choosing | the correct term from the |
| noble gases halogens | alkaline-ear alkali meta | |
| 1. Elements in the leftmost of | column of the periodic ta | ble are |
| | Elements in the rightm | ost column of the periodic |
| table are | | |
| 2. Elements that are very real | active nonmetals are | |
| UNDERSTANDING CONCERT | ·· | |
| UNDERSTANDING CONCEPT | | |
| 3. Listing List two propertie | s of the arkan metals. | |
| | | |
| | | |
| | | |
| | | |
| 4. Describing Explain why the similar. | he properties of the elem | ents in a group are usually |
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| Name | Class | Date | |
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| Section Review continued | | | |

INTERPRETING GRAPHICS

Use the image below from the periodic table to answer the next two questions.



| 5. | Classifying answer. | Gould this element be classified as a noble gas? Explain your |
|----|------------------------|---------------------------------------------------------------|
| 6. | Analyzing | What can you tell about the properties of this element? |
| | | |

CRITICAL THINKING

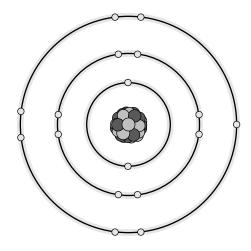
| Applying Concepts sodium? | Why would you not be able to make jewelry out of | | |
|----------------------------------|--------------------------------------------------|--|--|
| | | | |
| | | | |
| | | | |

| Identifying Relationships Identify the region on the periodic table where |
|---------------------------------------------------------------------------|
| nonmetals are found. Does this region contain the noble gases? |
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| Name | Class | Date | |
|--------------------------|-------|------|--|
| Section Review continued | | | |

INTERPRETING GRAPHICS

Use the model of the atom below to answer the next question.



| 9. | Applying Concepts Does the model represent a metal atom or a nonmetal |
|----|------------------------------------------------------------------------------|
| | atom? Explain your answer. |
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CHALLENGE

10. Making Inferences In general, the noble gases were discovered later than many of the other elements. Suggest a reason for this fact.