Section 15.3 Energy Resources
(pages 462–466)
This section describes types of energy resources and ways to conserve them.

Reading Strategy (page 462)
Identifying Main Ideas As you read the section, write the main idea for each heading in the table. For more information on this Reading Strategy, see the Reading and Study Skills in the Skills and Reference Handbook at the end of your textbook.

<table>
<thead>
<tr>
<th>Heading</th>
<th>Main Idea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonrenewable energy resources</td>
<td>Nonrenewable energy resources include oil, natural gas, and coal. They exist in limited quantities.</td>
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<tr>
<td>Renewable energy resources</td>
<td></td>
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<tr>
<td>Conserving energy resources</td>
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</table>

Nonrenewable Energy Resources (page 462)
1. What are nonrenewable energy resources? ________________________

2. List three examples of nonrenewable energy resources.
   a. _______________
   b. _______________
   c. _______________

3. Circle the letter of each resource that is considered to be a fossil fuel.
   a. tree
   b. oil
   c. coal

4. Is the following sentence true or false? Although fossil fuels are evenly distributed throughout Earth, they only represent ten percent of total energy consumed. _______________

Renewable Energy Resources (pages 463–464)
5. An energy resource that can be replaced in a reasonably short period of time is called a(n) ______________ resource.
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6. Circle the letter of each sentence that is true about renewable energy resources.

   a. Wind and solar energy are both renewable energy resources.
   b. Renewable energy resources are always more efficient than nonrenewable resources.
   c. Renewable energy resources can be used to generate electricity and to heat homes.

7. Is the following sentence true or false? One disadvantage of hydroelectric power is that it is among the most expensive energy sources. ____________

For numbers 8 through 13, match the letter of each renewable energy source to its description.

   Description
   ______  8. Water pumped below ground is converted to steam.
   ______  9. The most likely raw material is hydrogen.
   ______ 10. Mirrors concentrate sunlight to produce electricity.
   ______ 11. Kinetic energy of moving air is converted into rotational energy of a turbine.
   ______ 12. Energy is obtained from flowing water.
   ______ 13. Chemical energy stored in wood, peat, and agricultural waste can be converted into thermal energy.

14. Is the following sentence true or false? Hydrogen fuel cells generate electricity by combining hydrogen with oxygen. ____________

Conserving Energy Resources (page 466)

15. Name two practical ways in which people can conserve energy. ____________

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