

Chapter 16 Assessment

Vocabulary

Select the correct term to complete the sentences.

solar energy emissions natural resources nonrenewable resource pollution
renewable resource resource conservation fossil fuels petroleum

Section 16.1

1. Another name for the natural resource called oil is _____.
2. Earth's _____ are features that benefit people — like air, fresh water, soil, minerals, trees, and petroleum.

Section 16.2

3. _____ are substances made from things that were once alive.
4. A _____ is a natural resource like uranium or coal that is not replaced as it is used.
5. The Sun's energy is often called _____.
6. A _____ is a natural resource like the Sun, wind, or trees that can be replaced in a relatively short period of time.

Section 16.3

7. Tiny particles and gases released into the air are called _____.
8. If you practice _____, you are protecting, preserving, and managing Earth's natural resources.
9. _____ is a change to the environment that is harmful to humans or other living things.

Concepts

Section 16.1

1. Generate a list of anything that can be considered a natural resource.
2. Look around you right now and name five objects that would not exist if there was no petroleum.

Section 16.2

3. Future cars to choose from: electric car, solar car, fuel cell car, biofuel car, hybrid car.
4. Describe the three fossil fuels and where they can be found.
5. Sort the list of energy resources into *renewable* and *nonrenewable* resources. nuclear, natural gas, hydroelectric, solar, biomass, wind, oil, coal, geothermal
6. **SKIP THIS QUESTION** Refer to the chart “Evaluating resources used to produce electricity in the U.S.” to answer the following questions:
 - a. Name a resource that has a high chance of being used 50 years from now, has a medium level of cost, and a low impact on the environment.
 - b. Is this source of energy being used to produce electricity in your state? Write down where you got your information from to answer this question.
 - c. Study the chart and choose the resource that you think will be used to make the most electricity 50 years from now. Justify your answer with information from the chart.
7. Look at the “Comparing notes” illustration that shows a notebook comparison between current cars and future cars. Choose one of the following future cars. Research and find information on your chosen future car to write a notebook list like the one in the illustration.

Section 16.3

7. Why is air an important natural resource?
8. Describe two things *you* can do to help reduce air pollution.
9. Describe one way that water can become polluted?