

# CHAPTER REVIEW

# Chapter 13

## Energy Resources

### I. Using Vocabulary

Match each item in Column I with the most appropriate item in Column II. Write the letter for that item in the blank at the left.

Column I	Column II
_____ 1. Energy cannot be created or destroyed.	<b>a.</b> solar cell
_____ 2. the movement of electrons	<b>b.</b> reservoir
_____ 3. a machine that converts kinetic energy to electrical energy	<b>c.</b> law of conservation of energy
_____ 4. a device that converts sunlight directly into electricity	<b>d.</b> hydroelectric
_____ 5. waterpower plants	<b>e.</b> renewable resource
_____ 6. coal	<b>f.</b> potential energy
_____ 7. energy of water behind a dam	<b>g.</b> electricity
_____ 8. Steam causes this to spin in a power plant.	<b>h.</b> fossil fuel
_____ 9. underground oil or natural gas accumulation	<b>i.</b> generator
_____ 10. sunlight	<b>j.</b> turbine

### II. Concept Review

Answer the following questions in complete sentences.

11. Explain the relationship between the turbine and the generator in an electric power plant.

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12. Describe an oil and natural gas reservoir that might be found beneath an impermeable rock layer.

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13. Give an example of a reusable resource. Explain.

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### Chapter Review 13 (continued)

- 14. Explain some of the limitations of solar energy. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- 15. Explain acid rain's effect on the environment. \_\_\_\_\_  
\_\_\_\_\_
- 16. What alternatives to fossil fuels are used to produce electricity? \_\_\_\_\_  
\_\_\_\_\_

### III. Skills/Process Review

Use Figure 1 to answer the following questions in phrases or complete sentences.

- 17. Why does the pinwheel move? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- 18. What form of energy is contained in the moving pinwheel? \_\_\_\_\_
- 19. Using the materials in the figure, how would you demonstrate how a hydroelectric power plant works? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

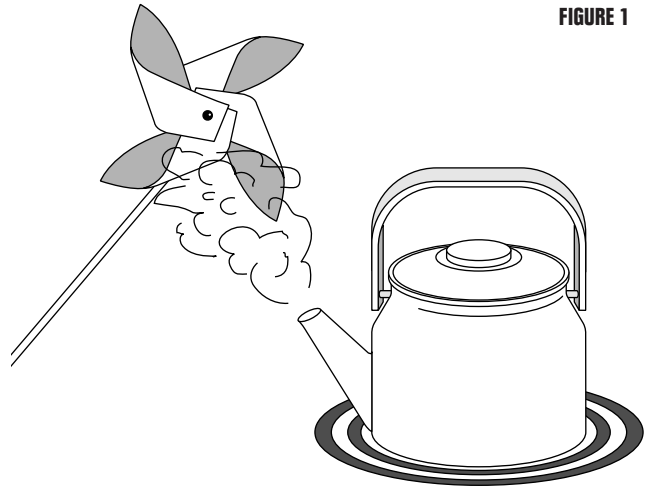


FIGURE 1

- 20. What other power source could be used to turn the pinwheel? \_\_\_\_\_  
\_\_\_\_\_

### IV. EYV Review

- 21. Science and Society: Using Coal Resources Predict some reasons why communities may oppose strip mining for coal. \_\_\_\_\_  
\_\_\_\_\_  
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