Name _____

Date _____

Lesson Quick Study

Lesson 3 - What Are Some Sources of Electricity?

1. Inquiry Skill Practice–Identify Variables

Suppose a scientist wants to find out which form of energy works better in a model car. She wants to test gasoline, hydrogen fuel, and electricity. She will use the same car for each test. The tests will be performed on the same road. What variables changed?

Possible answer: The type of energy used to work the car.

2. Use Vocabulary

Match the clue on the left to the correct term on the right.

D	the energy of sunlight	**A.**	potential energy
A	energy of position	**B.**	kinetic energy
B	energy of motion	**C.**	geothermal energy
C	heat from inside Earth	**D.**	solar energy

3. Focus Skill Reading Skill Practice–Main Idea and Details

Read the selection. Underline the main idea. List at least 3 details.

We acquire energy from different sources. Energy can be obtained from hydroelectric power. Hydroelectric power is the energy from falling water. Another source of energy is geothermal energy. It is obtained from deep inside Earth. Solar energy can also be used as a source of energy. It is obtained from the sun.

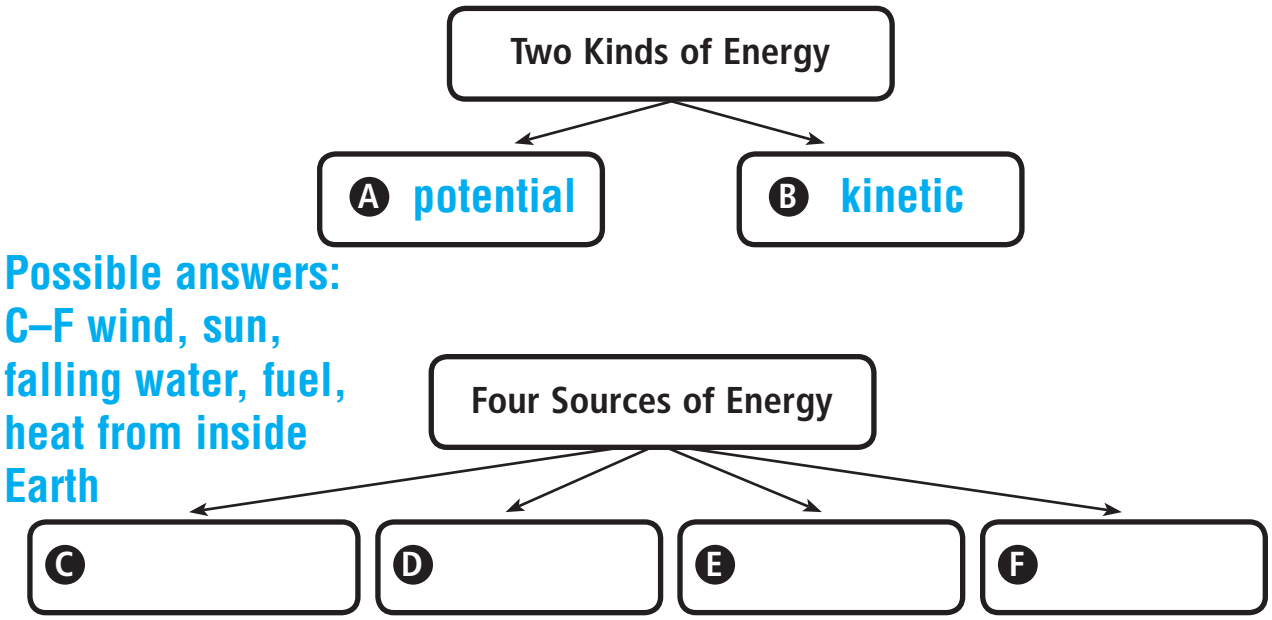
Possible answers: Energy can be obtained from hydroelectric power, geothermal power, and solar power.

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4. Focus Skill Main Idea and Details

Use this space to complete the graphic organizers.



Possible answers: C–F wind, sun, falling water, fuel, heat from inside Earth

5. Critical Thinking and Problem Solving

Marcos builds two ramps. One ramp is steeper than the other. He puts a tennis ball at the top of each ramp. Which tennis ball reached the bottom of the ramp faster? Which ball do you think had more kinetic energy? Explain.

Possible answer: The tennis ball that rolled from the steeper ramp reached the bottom faster. It also had more kinetic energy than the slower tennis ball. The faster an object moves, the more kinetic energy it has.

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