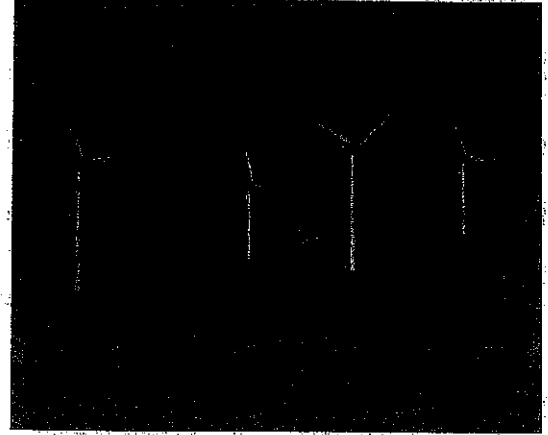


How Do People Use Resources?

Lesson 1 Quiz

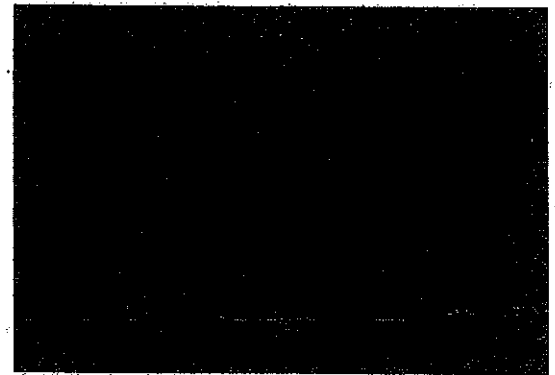
- 1 Renewable resources are resources that nature can replace after they are used. Which material comes from a renewable resource?
- (A) lumber (C) granite
(B) plastic (D) oil
- 2 Mr. and Mrs. Hernandez are building a new house in the desert. They want to generate heat for the house with renewable energy. Which resource should they use?
- (A) coal (C) natural gas
(B) fuel oil (D) solar power
- 3 Goods sold at a farmers' market travel only short distances between the place where they are produced and the place where they are sold. How might this save natural resources?
- (A) The goods are mass produced.
(B) The goods remain renewable.
(C) The goods are brought to market using less fossil fuel.
(D) The goods can more easily be exported.

- 4 Look at the picture below.



Which of the following is being harvested by the machines in the picture?

- (A) air pollution (C) fuel oil
(B) electricity (D) wind
- 5 Look at the picture of an oil refinery.



Which statement best describes what is happening in the picture?

- (A) A renewable resource is being refined into oil.
(B) Gasoline is being refined into electricity.
(C) A natural resource is being renewed.
(D) Oil is being refined into gasoline.

How Do People Conserve Resources?

- 1 Mr. Sikorsky lives and works in Washington, D.C. If he wants to conserve as much fossil fuel as possible, how should he travel to and from to work each day?
- (A) by bicycle
 - (B) by bus
 - (C) by car
 - (D) by subway
- 2 Reina wishes to reduce the amount of waste she makes so that less of it ends up buried in landfills or burned in incinerators. If she mops up messes using washable rags rather than paper towels, what natural resource would she help to conserve?
- (A) water
 - (B) trees
 - (C) soil
 - (D) oil
- 3 Soil contains nutrients that plants need to grow. Most of our food comes from crops that grow in soil.
- Which farming technique helps to renew the soil's supply of nutrients?
- (A) contour plowing
 - (B) crop rotation
 - (C) hydroponics
 - (D) intercropping
- 4 Scientists have estimated that the average person in the United States uses about 380 L (about 100 gal) of water every day. Which of the following would be the best way for the Richards family to conserve water each day?
- (A) move to a wetter climate
 - (B) serve milk instead of water with meals
 - (C) run their clothes washer only when it is full
 - (D) allow faucets to drip slowly so that the pipes do not break
- 5 Dorothy knows that the best way to conserve fossil fuel is to use less energy. She now uses several devices that contain energy-efficient LED light bulbs.
- Which type of energy conservation is Dorothy following?
- (A) recycling
 - (B) reducing
 - (C) renewing
 - (D) reusing


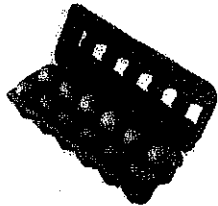


How Can We Conserve Natural Resources?

- 1 Using recycled materials to make new products helps to conserve natural resources. Which natural resource is conserved by recycling newspapers?
 - (A) oil
 - (B) soil
 - (C) trees
 - (D) water

- 2 Making recycled paper helps to reduce waste and pollution. Which of the following is used to make recycled paper?
 - (A) fallen leaves
 - (B) old magazines
 - (C) plastic bottles
 - (D) river sewage

- 3 If you make recycled paper in a classroom activity, which of the following best describes what you are doing?
 - (A) drawing a conclusion
 - (B) forming a hypothesis
 - (C) making a prediction
 - (D) modeling a process

- 4 In a lab activity making recycled paper, Gina uses shredded waste paper, starch, and water. Which natural resource can you conclude is used in a factory that makes recycled paper?
 - (A) trees
 - (B) water
 - (C) plastic
 - (D) oil

- 5 Which product should be collected for use as recycled plastic?
 - (A) 
 - (B) 
 - (C) 
 - (D) 

Natural Resources

Vocabulary

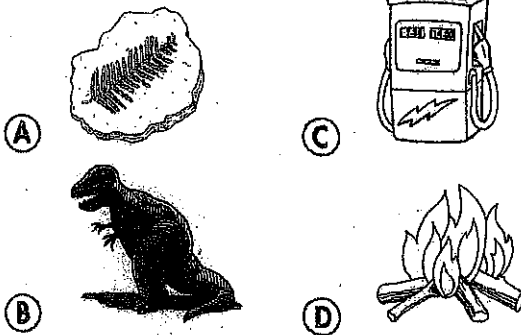
- 1 Renewable resources are resources that nature can replace after they are used. Which of these natural resources is nonrenewable?

(A) coal (C) water
(B) trees (D) wind

- 2 Fared collects plastic bottles. He places them in a blue tub. What will most likely happen to the plastic bottles?

(A) They will be conserved.
(B) They will be exported.
(C) They will be imported.
(D) They will be recycled.

- 3 Which picture shows a fossil fuel?



- 4 Dale grows tomatoes hydroponically. In which substance did Dale most likely grow the hydroponic tomato?

(A) ice
(B) rock
(C) sand
(D) soil

- 5 The Clarks hang their wet laundry to dry on an outdoor clothesline. They do not use their electric clothes dryer. Which of the following best explains how the Clark family is conserving electricity?

(A) recycling waste
(B) reducing use
(C) renewing resources
(D) reusing products

Science Concepts

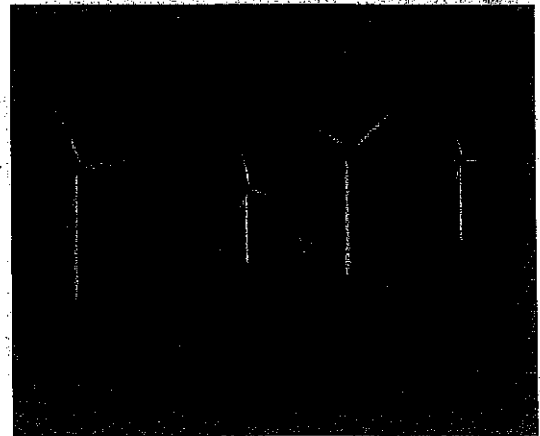
- 6 Mrs. Nichols runs a farm that supplies local stores with fresh eggs. Mrs. Nichols used to package the eggs in cartons made from polystyrene. To conserve nonrenewable resources, Mrs. Nichols should use egg cartons that are made from which recycled material?
- (A) cardboard
 - (B) glass
 - (C) plastic
 - (D) steel wool
- 7 Most of the energy used in the United States comes from fossil fuels. Where on Earth are most fossil fuels located?
- (A) deep underground
 - (B) near the ocean's surface
 - (C) in desert sand dunes
 - (D) near the African coast
- 8 Since learning in school about the importance of conservation, Darla has changed her morning routine. Which of the following is an example of conservation?
- (A) wearing clothes that are less colorful
 - (B) eating more fruit for breakfast
 - (C) showering in cooler water
 - (D) doing extra work in science class

- 9 The recycling symbol has three arrows chasing each other. The symbol shows that recycling is a three-step process.



Which of the following is the first step in the recycling process?

- (A) collecting and sorting used products
 - (B) burning or burying unusable waste
 - (C) making new goods from recycled materials
 - (D) buying and reusing recycled goods
- 10 Look at the picture below.



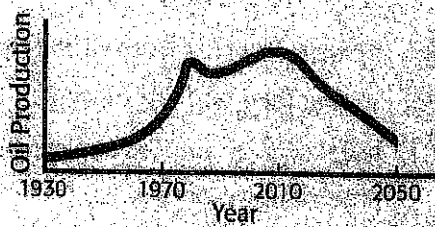
Which of the following best describes what these machines are doing?

- (A) transporting electrical energy
- (B) converting wind energy to electricity
- (C) cleaning pollution from the air
- (D) using the wind to drill for oil

- 11 Which of the following explains why the United States must import oil?
- (A) We waste more oil than we recycle.
 - (B) We possess more oil than we need.
 - (C) We use more oil than we produce.
 - (D) We must produce gasoline for export.

- 12 Look at the graph below. Suppose the graph was drawn in 2011.

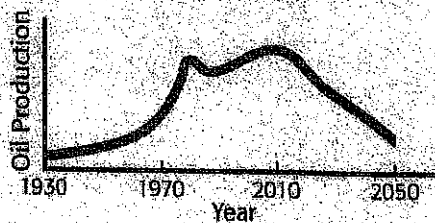
Annual Oil Production—Past & Predicted



Which of the following best describes oil production after 2011?

- (A) a conclusion
 - (B) an estimate
 - (C) an inference
 - (D) a prediction
- 13 Which statement about the graph is true?

Annual Oil Production—Past & Future

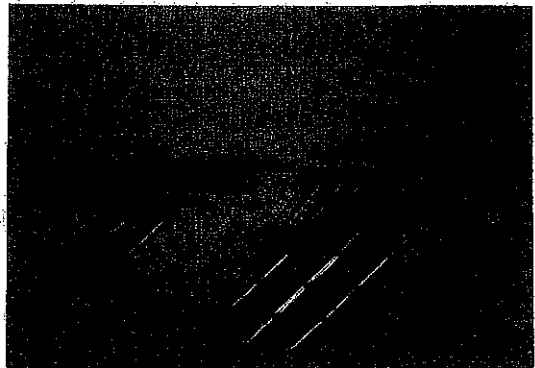


- (A) Oil was first produced in 1930.
- (B) The most oil was produced in 2010.
- (C) Oil production will decrease after 2020.
- (D) No oil will be produced after 2070.

- 14 Which of the following farming techniques is meant to keep heavy rain from washing away the soil?

- (A) contour plowing
- (B) crop rotation
- (C) hydroponics
- (D) intercropping

- 15 The picture below shows a school. Use the information in the picture to answer the following question.

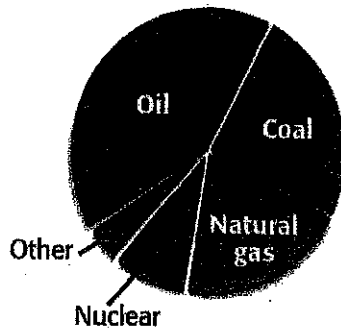


From which source does the school get at least some of its heat?

- (A) coal
- (B) oil
- (C) sunlight
- (D) water

- 16 Look at the circle graph below.

U.S. Energy Sources



Which statement describes the portion of energy use in the United States that comes from renewable resources?

- (A) the smallest section of the graph
(B) the largest section of the graph
(C) half the energy that comes from fossil fuels
(D) twice the energy that comes from fossil fuels
- 17 The Singhs care about the environment. They run their washing machine only when it is full. Which of the following best explains why they do this?
- (A) to recycle laundry detergent
(B) to reduce sewage
(C) to save money
(D) to conserve water
- 18 In which state would xeric landscaping most likely be seen?
- (A) Alaska
(B) Alabama
(C) Arizona
(D) Arkansas

- 19 One way to conserve natural resources is to recycle things that have been thrown away. Old magazines can be recycled to make which of the following?

- (A) clothing
(B) food for animals
(C) medicine
(D) paper

- 20 Which is the most important reason to conserve resources that are nonrenewable?

- (A) to keep landfills from filling up
(B) so that they will not disappear forever
(C) because they are less expensive than renewable resources
(D) so renewable resources can be imported less expensively