



## Energy and Your Environment

### Pre/Post Test

Directions: Circle the one best answer for each question.

- Kinetic energy is energy that is
  - found in food
  - quiet
  - stored in batteries
  - moving
- Which of the following is NOT a fossil fuel?
  - oil
  - wind
  - natural gas
  - coal
- Before the year 1750, which of the following devices were in use?
  - electric distribution system
  - steam engine
  - water wheel
  - light bulbs
- Which of the following is NOT an example of renewable energy?
  - wind
  - gasoline
  - chopped wood
  - a waterfall
- Which of the following is a greenhouse gas?
  - ozone
  - hydrogen
  - nitrogen
  - carbon dioxide
- Which of the following is true about alternative fuel vehicles?
  - they may run on electricity, natural gas or biodiesel
  - they don't need fuel
  - they may run on gasoline
  - they require a special license to drive
- Which of the following are methods for conserving nonrenewable energy?
  - taking short showers or half-full baths
  - turning off lights when not in use
  - riding a bike
  - all of the above
- How much of your body's energy does it take to keep your brain running?
  - 5%
  - 10%
  - 20%
  - 50%
- Which of the following is a measure of the energy value of food?
  - joule
  - kilowatt
  - calorie
  - gallon
- Recycling a product reduces the amount of energy needed for which of the following:
  - consumption of materials
  - extraction and processing of materials
  - transportation of materials
  - packaging of materials

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## **Pre/Post Test Answer Key**

Information that relates to each question can be found on the pages listed below.

1. d) moving. Page 2
2. b) wind. Page 3, 5
3. c) water wheel. Page 3
4. b) gasoline. Page 4
5. d) carbon dioxide. Page 8
6. a) they may run on electricity, natural gas or biodiesel. Page 9
7. d) all of the above. Page 10
8. c) 20%. Page 11
9. c) calorie. Page 11
10. b) extraction and processing of materials. Page 14