



## Your Renewable Energy World

### Pre/Post Test

Directions: Circle the one best answer for each question.

- Which of the following is NOT true about renewable energy resources?
  - they are cleaner and do less damage to the environment than fossil fuels
  - they can be used in any climate, anywhere
  - they can be replenished
  - they produce significantly fewer CO<sub>2</sub> emissions than fossil fuels
- Lightning is a natural form of
  - mechanical energy
  - radiant energy
  - electrical energy
  - thermal energy
- At an electric power plant, an energy source turns the blades of a \_\_\_\_\_ to generate electricity.
  - turbine
  - fan
  - solar panel
  - razor
- An electrical circuit begins and ends at a power source, such as a solar cell or battery.
  - True
  - False
- Which one of the following energy sources is nonrenewable?
  - ocean energy
  - geothermal energy
  - hydropower
  - natural gas
- Which one of the following converts light to electricity?
  - warm window panes
  - tidal energy
  - photovoltaics
  - steam
- Which renewable energy resource requires the drilling of wells?
  - wind power
  - geothermal energy
  - hydropower
  - none of the above
- Circle the item that is NOT a type of biomass that can be burned to create energy:
  - plastic waste
  - wood
  - grains
  - garbage
- Which of the following types of renewable energy can be used to turn turbines at power plants?
  - biomass
  - ocean energy
  - hydropower
  - all of the above
- Which of the following is a good way to save energy?
  - use incandescent light bulbs
  - close the fridge door right away
  - keep the TV at low volume
  - take 20-minute showers

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

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

1. b) they can be used in any climate anywhere. Page 2
2. c) electrical energy. Page 3
3. a) turbine. Page 4
4. a) True. Page 5
5. d) natural gas. Pages 2, 7
6. c) photovoltaics. Page 9
7. b) geothermal. Page 13
8. a) plastic waste. Page 14
9. d) all of the above. Pages 8-14
10. b) close the fridge door right away. Page 16