



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 CO₂ 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