



Your Renewable Energy World

Pre/Post Test

Directions: Circle the one best answer for each question.

1. Which of the following is NOT true about renewable energy resources?
 - a) they are cleaner and do less damage to the environment than fossil fuels
 - b) they can be used in any climate, anywhere
 - c) they can be replenished
 - d) they produce significantly fewer CO₂ emissions than fossil fuels
2. Lightning is a natural form of
 - a) mechanical energy
 - b) radiant energy
 - c) electrical energy
 - d) thermal energy
3. At an electric power plant, an energy source turns the blades of a _____ to generate electricity.
 - a) turbine
 - b) fan
 - c) solar panel
 - d) razor
4. An electrical circuit begins and ends at a power source, such as a solar cell or battery.
 - a) True
 - b) False
5. Which one of the following energy sources is nonrenewable?
 - a) ocean energy
 - b) geothermal energy
 - c) hydropower
 - d) natural gas
6. Which one of the following changes light to electricity?
 - a) warm window panes
 - b) tidal energy
 - c) photovoltaics
 - d) steam
7. Which renewable energy resource requires the drilling of wells?
 - a) wind power
 - b) geothermal energy
 - c) hydropower
 - d) none of the above
8. Circle the item that is NOT a type of biomass that can be burned to create energy:
 - a) plastic waste
 - b) wood
 - c) grains
 - d) garbage
9. Which of the following types of renewable energy can be used to turn turbines at power plants?
 - a) biomass
 - b) hydropower
 - c) ocean energy
 - d) all of the above
10. Which of the following is a good way to save energy?
 - a) use incandescent light bulbs
 - b) close the fridge door right away
 - c) keep the TV at low volume
 - d) 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