

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 converts 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

Renewable Energy World

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