

Energy Trivia Game Answers

1. The oldest machines used for capturing this type of renewable energy were waterwheels. What energy source am I talking about? **(Hydropower)**

2. Many of Canada's fresh water (rivers and lakes) have been used to produce this type of energy. **(Hydropower)**

3. This renewable energy source may cause significant environmental damage, such as flooding, and the destruction of fish and wildlife habitats if not used carefully. What type of energy am I? **(Hydropower)**

4. Since Canada has more fresh water in its lakes and rivers than any other country in the world we use this form of renewable energy more than any other to produce electricity. **(Hydropower)**

5. Sixty-one per cent of Canada's electricity comes from this type of renewable energy. **(Hydropower)**

6. This type of energy uses one of nature's most powerful forces. **(Hydropower)**

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7. Usually this type of energy source depends on a dam to raise the level of water in the reservoir. Which renewable energy am I? **(Hydropower)**

8. This energy is one of the most economical sources of renewable energy because it can be set up quickly and cheaply. What type of energy am I talking about? **(Wind)**

9. Which energy source captures the energy from the air? **(Wind)**

10. One of the oldest uses of this type of renewable energy is for transportation. Which am I? **(Wind)**

11. This energy type uses turbines and windmills. **(Wind)**

12. In the past this kind of energy was used on farms across Canada to pump water from wells for their cattle. **(Wind)**

13. This type of energy is recognized as the fastest-growing new energy source because there is little environmental impact. Which energy am I? **(Wind)**

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14. Which kind of renewable energy makes electricity by having rows of towers, sometimes 90 metres high with giant turbines? (Wind)

15. This form of energy is made by using the heat from the earth's core. Which renewable energy am I talking about? (Geothermal)

16. This energy source uses the pressure acting on the rocks and minerals of the Earth's core to make heat. Which renewable energy am I? (Geothermal)

17. What kind of energy uses geysers, hot springs and steam vents to gather hot water and steam for heating our homes? (Geothermal)

18. People around the world use this type of energy to heat their homes and to produce electricity by digging deep wells and pumping the heated underground water or steam to the surface. What kind of renewable energy source am I? (Geothermal)

19. Which kind of energy sometimes find its way to the surface of the earth in the form of volcanoes and fumaroles (holes where volcanic gases are released)? (Geothermal)

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20. Hot mineral springs have been used since ancient times, specifically for bathing, cooking and heating. What kind of renewable energy am I? (Geothermal)

21. Which energy source uses wood, straw, manure and other natural materials that contain stored energy? (Biomass)

22. Which type of renewable energy uses any form of plant or animal tissue? (Biomass)

23. This energy source is made by burning plant or animal material directly or by feeding it to micro-organisms that use it to make biogas. Which am I? (Biomass)

24. One of the oldest energy sources that humans have used is wood burning, so which renewable energy am I? (Biomass)

25. Ethanol and methanol are alcohols, made from plant sugars and are good examples of which type of renewable energy? (Biomass)

26. Which renewable energy uses biogas, made from rotting plants, that can be used for heating and cooking (used for our furnaces and barbecues)? (Biomass)

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- 27. Which energy source uses the light and heat from the sun? (Solar)**
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- 28. Which energy source makes your car hot when it is parked in the sun? (Solar)**
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- 29. What kind of energy makes plants grow, helping them make food and oxygen? (Solar)**
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- 30. What energy makes the wind blow and the ocean currents flow? (Solar)**
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- 31. This energy source gives us more energy in one second than people have used since the beginning of time. (Solar)**
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- 32. Which type of renewable energy can be divided into two basic categories: heating things such as our houses and the water in our houses, and turning energy from the sun directly into electricity? (Solar)**
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- 33. Which type of renewable energy uses solar electric panels that are made up of something called silicon, the same thing that makes up sand? (Solar)**
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34. Which type of renewable energy uses the power of waves to make electricity? (Ocean-Wave)

35. One way to use this kind of energy is to bend or force waves into a narrow channel, increasing their power and size, which can then spin turbines. (Ocean-Wave)

36. Which type of energy uses the movement of tides in the sea? (Ocean-Tidal)

37. This energy source depends on the wind blowing across the sea. (Ocean-Wave)

38. Which type of energy depends on the gravitational pull of the moon and sun, and the rotation of the earth? (Ocean-Tidal)

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