Renewable vs. Nonrenewable Review Slideshow

1. Energy which is produced by burning organic matter

2.Energy used by appliances and other electronic equipment that are plugged in 24 hours per day

3. Energy released from atomic reactions

4. Energy from the sun

5.Energy from Earth's Interior

6.Electricity produced by flowing water

7. Group of wind turbines that produce electricity

8. Hardest coal which contains the most carbon and burns most efficiently

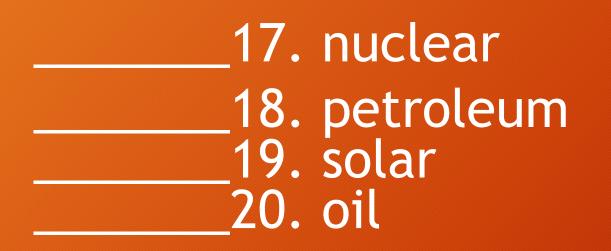
9. Layers of rock through which oil and natural gas cannot pass

10.Resources that can be replaced by natural process in a relatively short amount of time

11.Resources that can be used faster than they can be replaced by natural processes

12. Process in which mined land must be recovered with soil and replanted with vegetation Identify the following as nonrenewable or renewable resources by writing the words nonrenewable or renewable in the blanks.

_____13. geothermal _____14. natural gas _____15. biomass _____16. coal Identify the following as nonrenewable or renewable resources by writing the words nonrenewable or renewable in the blanks.



Identify the following as nonrenewable or renewable resources by writing the words nonrenewable or renewable in the blanks.

_____21. wood _____22. uranium _____23. water _____24. wind

25. What are the 3 types of Fossil Fuels?

26. What is <u>coal</u> formed from?

27. What is <u>oil</u> formed from?

28. What is <u>Natural Gas</u> formed from?

29. The type of fossil fuels formation depends on temperature and pressure, length of time and what?

30. What is the process of splitting atoms to release neutrons and thermal energy called?

31. What element is used for nuclear energy?

32. What percent of <u>Nonrenewable</u> energy resources make up the United States yearly consumption?

33. What percent of <u>Renewable</u> energy resources make up the United States yearly consumption?

34. If Fossil Fuel energy is a bad pollutant, why do we use this resource more than Renewable resources?

35. Most power plants need to find a way to turn what, in order to produce electricity? This is connected to the generator.

36. Provide at least one disadvantage for Solar Energy

37. Provide at least one disadvantage for Wind Energy

38. Provide at least one disadvantage for Water Energy

39. Provide at least one disadvantage for Geothermal Energy

40. Provide at least one disadvantage for Biomass Energy

ANSWERS!!!!!!

1. Energy which is produced by burning organic matter

Biomass

2. Energy used by appliances and other electronic equipment that are plugged in 24 hours per day

Vampire Energy

3. Energy released from atomic reactions

Nuclear Energy

4. Energy from the sun

Solar Energy

5.Energy from Earth's Interior

Geothermal Energy

6.Electricity produced by flowing water

Hydroelectric Power

7. Group of wind turbines that produce electricity

Wind Farm

8. Hardest coal which contains the most carbon and burns most efficiently

Anthracite

9. Layers of rock through which oil and natural gas cannot pass

Impermeable Rock

10. Resources that can be replaced by natural process in a relatively short amount of time Renewable Resource

11.Resources that can be used faster than they can be replaced by natural processes Nonrenewable Resource

12.Process in which mined land must be recovered with soil and replanted with vegetation Reclamation Identify the following as nonrenewable or renewable resources by writing the words nonrenewable or renewable in the blanks.

Renewable 13. geothermal Nonrenewable 14. natural gas Renewable 15. biomass Nonrenewable 16. coal Identify the following as nonrenewable or renewable resources by writing the words nonrenewable or renewable in the blanks.

Nonrenewable 17. nuclear Nonrenewable 18. petroleum Renewable 19. solar Nonrenewable 20. oil Identify the following as nonrenewable or renewable resources by writing the words nonrenewable or renewable in the blanks.

Renewable 21. wood Nonrenewable 22. uranium Renewable 23. water Renewable 24. wind

25. What are the 3 types of Fossil Fuels?

Oil, Coal, Natural Gas

26. What is <u>coal</u> formed from?

Bacteria/plants

27. What is <u>oil</u> formed from?

Plankton

28. What is <u>Natural Gas</u> formed from?

Plankton

29. The type of fossil fuels formation depends on temperature and pressure, length of time and what?

Type of organic matter

30. What is the process of splitting atoms to release neutrons and thermal energy called?

Nuclear Fission

31. What element is used for nuclear energy?

Uranium

32. What percent of <u>Nonrenewable</u> energy resources make up the United States yearly consumption?

About 90%

33. What percent of <u>Renewable</u> energy resources make up the United States yearly consumption?

About 10%

34. If Fossil Fuel energy is a bad pollutant, why do we use this resource more than Renewable resources?

Because it is inexpensive

35. Most power plants need to find a way to turn what, in order to produce electricity? This is connected to the generator.

A Turbine

36. Provide at least one disadvantage for Solar Energy

Example: High cost of collection cells

37. Provide at least one disadvantage for Wind Energy

Example: Requires a large amount of land or ocean to collect and produce energy on a large scale

38. Provide at least one disadvantage for Water Energy

Example: Negative impact on aquatic ecosystems

39. Provide at least one disadvantage for Geothermal Energy

Example: Limited to tectonically active areas

40. Provide at least one disadvantage for Biomass Energy

Example: Air pollution results from burning some forms