

NAME _____

MAXIMUM MARKS: 34

CLASS 4/ _____

1. Fossil fuels are _____.
a) **nonrenewable resources**
b) **renewable resources**
c) **unlimited resources**
d) **inexpensive resources**

2. How are fossil fuels formed?
a) **Heat and pressure turn animal and plant remains into fuels.**
b) **Scientists collect fossils and turn them into fuels.**
c) **On the surface of Earth, wind and rain turn fossils into fuels.**
d) **Fossils sink into swamps and take between five and ten years to turn into fuels.**

3. _____ is pumped out of the ground and can be used for cooking and heating our homes.
a) Crude oil
b) **Natural gas**

4. Which is not a fossil fuel?
a) **oil**
b) **natural gas**
c) **wood**
d) **coal**

5. A material that formed from ancient organisms and is used today as a source of energy is a(n)-_____.
a) **fossil fuel**
b) **fissile material**
c) **sediment**
d) **alternative energy resource**

6. Which is an example of a nonrenewable resource?
a) **wind**
b) **sunlight**
c) **oil**
d) **water**

7. Coal is mainly used to generate _____ and has been used to power steam locomotives.
a) **Electricity**
b) **sound energy**

8. **Corn, crabs, natural gas, and soybeans** are natural resources found in Maryland.
Which is a nonrenewable resource?
a) **corn**
b) **crabs**
c) **soybeans**
d) **natural gas**

9. Nonrenewable resources are resources that _____.

- take so long to form that they cannot be replaced quickly
- are so plentiful in nature that they can be used without worry
- cause no pollution to the environment, so they are the best kind to use
- cause so much pollution that they are never used

10. Coal is a nonrenewable natural resource.

Which best describes how humans use coal?

- Humans use coal for food.
- Humans use coal for clothing.
- Humans use coal for medicine.
- Humans use coal to produce electricity.



11. Lilly learned that fossil fuels contain a lot of energy. Why are fossil fuels considered nonrenewable resources?

- Fossil fuels are essential to civilization.
- Fossil fuels cannot be replaced fast enough for future use.
- Fossil fuels are easily renewed.
- Fossil fuels are alternative energy sources

12. Which statement is not true about nuclear energy?

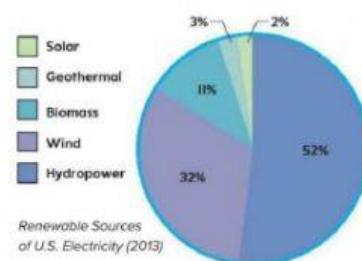
- Nuclear energy is created using fossil fuels.
- Nuclear energy is a nonrenewable resource.
- Nuclear energy is used to generate electricity.
- Nuclear energy waste may damage the environment

13. What is one effect of using coal to meet our energy needs?

- It cleans the air.
- It will not run out.
- It does not disturb wildlife.
- It pollutes the environment.

14. Which type of renewable source is used the most in United states?

- Hydropower
- Solar
- Biomass
- Wind



15. _____ is useful material that can be replaced quickly in nature.

- Alternative energy source
- Renewable resource
- Nonrenewable resource
- Coal

16. Wood is renewable resource. What can make it scarce (limited)?

17. What condition will determine if hydropower and wind should be used in community?

18. Geothermal energy is obtained and used by harnessing the heat from Earth's surface.

- a) above
- b) below

19. Which type of energy would best be used in an area with a lot of hot springs?

- a) hydroelectricity
- b) solar energy
- c) wind energy
- d) geothermal energy

20. Wind energy, water energy, and solar power are all examples of energy solutions.

- a) Renewable resources
- b) Nonrenewable resources

21. Which is not a source of renewable energy?

- a) thermal energy
- b) wind energy
- c) solar energy
- d) fossil fuels

22. Wind energy, harnessed by windmills, is one type of _____ energy source.

- a) Renewable
- b) Nonrenewable

23. Which method is used to change plant and animal materials into usable fuel?

- a) hydroelectricity
- b) recycling
- c) biomass conversion
- d) solar collection

24. Which is where geothermal energy comes from?

- a) inside Earth
- b) the Sun
- c) wind turbines
- d) hydroelectric dams

25. Geothermal power plants use _____ from the Earth's interior to generate power.

- a) heat
- b) water
- c) wind

26. Which of the following are renewable resources? Select all that apply.

- a) fossil fuels
- b) hydroelectricity
- c) wind energy
- d) copper

27. Which of the following is not an advantage to renewable energy?

- a) Solar power is abundant as a resource.
- b) Hydroelectric dams block rivers and streams.
- c) Biomass energy uses waste products to create energy.
- d) Wind energy can be generated day and night.

28. Why is solar power a renewable energy source?

- a) It cannot be used up.
- b) It is a natural resource.
- c) It creates extra sunlight.
- d) It creates new sources of gasoline.

29. Fossil fuels used in transportation can cause problems. Which is a possible solution to these problems?

- a) Use renewable energy sources in cars, such as biofuels and solar power.
- b) Have car and truck drivers use more fossil fuels in their vehicles during rush hour traffic.
- c) Make hybrid cars, which use both gas and electricity, illegal.
- d) Do not build fuel-efficient cars.

30. Which is not a source of renewable energy?

- a) thermal energy
- b) wind energy
- c) solar energy
- d) fossil fuels

31. Which method of powering a vehicle will help to reduce air pollution?

- a) using oil
- b) using biofuels
- c) using gasoline
- d) using diesel fuel

32. The overuse of fossil fuels leads to _____.

- a) flooding
- b) pollution
- c) fertile soil
- d) good crops

33. Our society uses up vast amounts of nonrenewable sources of energy. What should we do about energy sources in the future?

- a) Nothing; all energy sources are replaceable.
- b) We will need to develop new ways of using oil.
- c) We will need to develop more technology that relies on fossil fuels.
- d) We will need to find ways to use renewable sources of energy.



34. What is one effect of using coal to meet our energy needs?

- a) It cleans the air.
- b) It will not run out.
- c) It does not disturb wildlife.
- d) It pollutes the environment.