

Chapter - 15

Our Environment

1. Which of the following is an example of a non-renewable natural resource?

- a) Solar energy
- b) Wind energy
- c) Natural gas
- d) Biomass

Answer: c) Natural gas

2. What is the term used to describe the practice of using resources in a way that meets the needs of the present without compromising the ability of future generations to meet their own needs?

- a) Conservation
- b) Preservation
- c) Sustainability
- d) Exploitation

Answer: c) Sustainability

3. Which of the following is a method of water conservation?

- a) Deforestation
- b) Overuse and wastage
- c) Rainwater harvesting
- d) Eutrophication

Answer: c) Rainwater harvesting

4. What is the term used to describe the process of recycling organic waste into nutrient-rich soil?

- a) Composting
- b) Incineration
- c) Landfilling
- d) Desalination

Answer: a) Composting

5. Which of the following is an example of a renewable natural resource?

- a) Fossil fuels
- b) Minerals
- c) Groundwater
- d) Ores

Answer: c) Groundwater

6. What is the term used to describe the variety of species in a given area?

- a) Biodiversity
- b) Ecosystem
- c) Habitat
- d) Population

Answer: a) Biodiversity

7. Which of the following is a consequence of overuse and wastage of natural resources?

- a) Enhanced resource availability

- b) Increased sustainability
- c) Resource depletion
- d) Restoration of natural habitats

Answer: c) Resource depletion

8. What is the term used to describe the method of extracting minerals from the Earth's crust?

- a) Deforestation
- b) Overfishing
- c) Mining
- d) Agriculture

Answer: c) Mining

9. Which of the following is a method of forest conservation?

- a) Desertification
- b) Deforestation
- c) Afforestation
- d) Eutrophication

Answer: c) Afforestation

10. What is the term used to describe the process of converting waste materials into reusable materials?

- a) Recycling
- b) Incineration
- c) Landfilling
- d) Desalination

Answer: a) Recycling

11. What is the primary cause of water scarcity in many regions?

- a) Deforestation
- b) Pollution
- c) Climate change
- d) Overuse and wastage

Answer: d) Overuse and wastage

12. Which of the following is an example of a natural pollutant?

- a) Pesticides
- b) Heavy metals
- c) Volcanic ash
- d) Industrial chemicals

Answer: c) Volcanic ash

13. What is the term used to describe the variety of organisms in a given area?

- a) Ecosystem
- b) Habitat
- c) Biodiversity
- d) Population

Answer: c) Biodiversity

14. Which of the following is a major cause of deforestation?

- a) Industrialization
- b) Urbanization

c) Agricultural expansion

d) Climate change

Answer: c) Agricultural expansion

15. What is the process of natural breakdown of complex organic matter into simpler substances called?

a) Decomposition

b) Combustion

c) Eutrophication

d) Fertilization

Answer: a) Decomposition

16. Which of the following is a renewable resource of energy derived from the Earth's heat?

a) Solar energy

b) Wind energy

c) Geothermal energy

d) Biomass energy

Answer: c) Geothermal energy

17. What is the process of purifying wastewater for reuse called?

a) Desalination

b) Filtration

c) Disinfection

d) Water treatment

Answer: d) Water treatment

18. Which of the following is an example of a primary consumer in a food chain?

- a) Lion
- b) Deer
- c) Grass
- d) Hawk

Answer: b) Deer

19. What is the term used to describe the condition where the demand for resources exceeds the available supply?

- a) Overpopulation
- b) Overconsumption
- c) Overexploitation
- d) Overfishing

Answer: b) Overconsumption

20. Which of the following is a consequence of acid rain?

- a) Soil fertility enhancement
- b) Increased biodiversity
- c) Corrosion of buildings and statues
- d) Enhanced crop yields

Answer: c) Corrosion of buildings and statues

21. Which of the following is a method of solid waste management that involves burying waste in landfills?

- a) Recycling
- b) Incineration
- c) Composting

d) Landfilling

Answer: d) Landfilling

22. What is the term used to describe the release of harmful substances into the environment?

a) Pollution

b) Conservation

c) Restoration

d) Sustainability

Answer: a) Pollution

23. Which of the following is a greenhouse gas released during the burning of fossil fuels?

a) Nitrogen

b) Oxygen

c) Methane

d) Carbon monoxide

Answer: c) Methane

24. What is the process of restoring a degraded ecosystem to its original state called?

a) Conservation

b) Restoration

c) Pollution control

d) Sustainable development

Answer: b) Restoration

25. Which of the following is a major cause of air pollution in urban areas?

- a) Industrial emissions
- b) Deforestation
- c) Soil erosion
- d) Ozone depletion

Answer: a) Industrial emissions

26. What is the term used to describe the process by which plants convert sunlight into chemical energy?

- a) Photosynthesis
- b) Respiration
- c) Decomposition
- d) Combustion

Answer: a) Photosynthesis

27. Which of the following is an example of a secondary consumer in a food chain?

- a) Grass
- b) Rabbit
- c) Lion
- d) Hawk

Answer: d) Hawk

28. What is the process of converting waste materials into nutrient-rich soil called?

- a) Recycling
- b) Incineration
- c) Composting
- d) Landfilling

Answer: c) Composting

29. Which of the following is a consequence of water pollution?

- a) Air pollution
- b) Soil erosion
- c) Global warming
- d) Loss of biodiversity

Answer: d) Loss of biodiversity

30. What is the term used to describe the variety of habitats, ecosystems, and species in a given area?

- a) Biodegradation
- b) Biodiversity
- c) Biomagnification
- d) Bioaccumulation

31. What is the term used to describe the maximum number of individuals of a species that an ecosystem can support?

- a) Carrying capacity
- b) Biodiversity
- c) Ecological footprint
- d) Sustainable development

Answer: a) Carrying capacity

32. Which of the following is a method of conserving water resources?

- a) Desalination
- b) Groundwater contamination
- c) Overuse and wastage

d) Rainwater harvesting

Answer: d) Rainwater harvesting

33. What is the term used to describe the process of converting organic waste into nutrient-rich soil through decomposition?

a) Recycling

b) Incineration

c) Composting

d) Landfilling

Answer: c) Composting

34. Which of the following is an example of a natural ecosystem service?

a) Carbon emissions

b) Soil erosion

c) Pollination

d) Water pollution

Answer: c) Pollination

35. What is the term used to describe the practice of using resources in a way that meets the needs of the present without compromising the ability of future generations to meet their own needs?

a) Pollution control

b) Sustainable development

c) Restoration

d) Overconsumption

Answer: b) Sustainable development

36. Which of the following is a major cause of biodiversity loss?

- a) Conservation efforts
- b) Habitat preservation
- c) Deforestation
- d) Sustainable agriculture

Answer: c) Deforestation

37. What is the term used to describe the process of converting waste materials into energy through controlled burning?

- a) Recycling
- b) Incineration
- c) Composting
- d) Landfilling

Answer: b) Incineration

38. Which of the following is an example of a natural pollutant?

- a) Pesticides
- b) Heavy metals
- c) Volcanic ash
- d) Industrial chemicals

Answer: c) Volcanic ash

39. What is the term used to describe the process of capturing and storing carbon dioxide to reduce greenhouse gas emissions?

- a) Carbon sequestration
- b) Ozone depletion

- c) Acid rain
- d) Desertification

Answer: a) Carbon sequestration

40. Which of the following is a renewable resource of energy derived from the gravitational pull of the moon on the Earth's oceans?

- a) Solar energy
- b) Wind energy
- c) Tidal energy
- d) Biomass energy

Answer: c) Tidal energy

41. What is the term used to describe the process of converting atmospheric nitrogen into a form that can be used by plants?

- a) Nitrogen fixation
- b) Carbon sequestration
- c) Ozone depletion
- d) Acid rain

Answer: a) Nitrogen fixation

42. Which of the following is a consequence of deforestation?

- a) Enhanced biodiversity
- b) Soil erosion
- c) Restoration of natural habitats
- d) Decreased greenhouse gas emissions

Answer: b) Soil erosion

43. What is the term used to describe the gradual increase in the concentration of toxic substances in organisms at higher trophic levels?

- a) Biomagnification
- b) Biodiversity
- c) Biodegradation
- d) Bioaccumulation

Answer: a) Biomagnification

44. Which of the following is a renewable resource of energy derived from organic matter?

- a) Solar energy
- b) Wind energy
- c) Biomass energy
- d) Geothermal energy

Answer: c) Biomass energy

45. What is the term used to describe the loss of productive land due to factors such as deforestation, overgrazing, and drought?

- a) Desertification
- b) Overpopulation
- c) Acid rain
- d) Eutrophication

Answer: a) Desertification

46. Which of the following is a method of conserving energy resources?

- a) Overuse and wastage
- b) Recycling

- c) Incineration
- d) Energy efficiency

Answer: d) Energy efficiency

47. What is the term used to describe the practice of using natural resources at a rate that allows them to replenish naturally?

- a) Overconsumption
- b) Pollution control
- c) Sustainable use
- d) Restoration

Answer: c) Sustainable use

48. Which of the following is a consequence of soil erosion?

- a) Increased agricultural productivity
- b) Water pollution
- c) Restoration of natural habitats
- d) Enhanced soil fertility

Answer: b) Water pollution

49. What is the term used to describe the gradual increase in the acidity of water bodies due to human activities?

- a) Global warming
- b) Acid rain
- c) Ozone depletion
- d) Desertification

Answer: b) Acid rain

50. Which of the following is a method of conserving biodiversity?

- a) Overexploitation
- b) Deforestation
- c) Habitat preservation
- d) Soil erosion

Answer: c) Habitat preservation