



ICSE Geography

Class 10

Multiple-Choice Questions

CHAPTER 22 - Impact of Waste Accumulation

1. What factors have contributed to the increase in waste generation in recent years?
 - a. Decrease in population growth
 - b. Reduction in industrialization
 - c. Changing lifestyle, the rapid growth of population, and urbanization
 - d. Improved waste management practicesAnswer: (c) Changing lifestyle, the rapid growth of population, and urbanization
2. How can fluorides from polluted plants affect terrestrial animals?
 - a. Increase in milk production
 - b. Strengthening of teeth and bones
 - c. Decrease in milk production
 - d. Protection against acid concentrationsAnswer: (c) Decrease in milk production
3. What is waste?
 - a. Material or substance that is no longer required and discarded
 - b. Material or substance that is in high demand and used frequently
 - c. Material or substance that is recycled and reused
 - d. Material or substance that is used for industrial purposesAnswer: (a) Material or substance that is no longer required and discarded
4. Which of the following can cause a disease in which the green portion of leaves becomes yellow?
 - a. Inorganic fertilizers
 - b. Pesticides
 - c. Sulphur dioxide
 - d. FluoridesAnswer: (c) Sulphur dioxide
5. What is the main cause of the spoilage of landscape?
 - a. Overpopulation
 - b. Improper waste management
 - c. Excessive industrialization
 - d. Lack of tourismAnswer: (b) Improper waste management
6. What is the main reason for the decrease in Dissolved Oxygen (DO) value in water bodies?
 - a. Presence of organic waste
 - b. Presence of toxic metals
 - c. Increase in temperature
 - d. Release of hot water from thermal power plantsAnswer: (a) Presence of organic waste
7. What is the impact of animals rummaging through accumulated waste?
 - a. Improves the hygienic conditions
 - b. Reduces the beauty of the area
 - c. Enhances the natural beauty
 - d. Has no impact on the areaAnswer: (b) Reduces the beauty of the area

8. Match the following types of waste with their corresponding impact on water bodies.

Column A

Column B

- | | |
|-----------------------|---------------------------------------|
| A. Sewage waste | 1. Increase in water temperature |
| B. Thermal pollution | 2. Depletion of dissolved oxygen (DO) |
| C. Oil spills | 3. Growth of toxic algae |
| D. Eutrophication | 4. Contamination of water with oil |
| a. A-2, B-1, C-4, D-3 | b. A-4, B-2, C-3, D-1 |
| c. A-1, B-4, C-3, D-2 | d. A-3, B-1, C-2, D-4 |

Answer: (a) A-2, B-1, C-4, D-3

9. What is the main cause of air pollution?

- | | |
|-----------------------------|---|
| a. Burning of plastic waste | b. Excessive presence of carbon dioxide |
| c. Industrial wastes | d. Suspended particulate matter |

Answer: (c) Industrial wastes

10. What are the major sources of water pollution?

- | | |
|---|--|
| a. Discharge of domestic sewage and garbage | b. Radioactive waste from nuclear power plants |
| c. Animal manure and chemical fertilizers | d. All of these |

Answer: (d) All of these

11. What is the impact of acid rain on aquatic life?

- | | |
|--|---|
| a. Enhances the growth of aquatic plants | b. Makes water suitable for plants and fishes |
| c. Damages aquatic life | d. Disrupts wildlife distribution |

Answer: (c) Damages aquatic life

12. Match the following impacts of waste on human health with their corresponding consequences.

Column A

Column B

- | | |
|--------------------------------|--------------------------|
| A. Exposure to toxic chemicals | 1. Respiratory problems |
| B. Contaminated food and water | 2. Water-borne diseases |
| C. Air pollution | 3. Chronic health issues |
| a. A-3, B-1, C-2 | b. A-1, B-2, C-3 |
| c. A-2, B-3, C-1 | d. A-1, B-3, C-2 |

Answer: (b) A-1, B-2, C-3

13. What are the consequences of using water polluted with toxic substances from industrial factories?

- Contamination of food chain
- Enhanced growth of aquatic plants
- Increased fertility of soil
- Reduced water consumption by humans

Answer: (a) Contamination of food chain

14. Match the following impacts of waste on wildlife with their corresponding consequences.

Column A

Column B

- | | |
|--|------------------------------------|
| A. Ingestion of plastic waste | 1. Death of animals |
| B. Habitat destruction | 2. Disruption of ecosystem balance |
| C. Pollution of food and water sources | 3. Decline in wildlife population |
| a. A-1, B-2, C-3 | b. A-2, B-1, C-3 |
| c. A-3, B-2, C-1 | d. A-1, B-3, C-2 |

Answer: (a) A-1, B-2, C-3

15. What are the main sources of soil pollutants?
- a. Air pollution
 - b. Industrial waste and agricultural practices
 - c. Rainwater runoff
 - d. Marine pollution
- Answer: (b) Industrial waste and agricultural practices

16. Match the following types of waste with their corresponding impact on soil.

| <i>Column A</i> | <i>Column B</i> |
|--------------------------|---|
| A. Plastic waste | 1. Soil pollution |
| B. Inorganic fertilizers | 2. Harm to soil organisms |
| C. Pesticides | 3. Soil erosion |
| D. Industrial waste | 4. Contamination of soil with toxic chemicals |

a. A-3, B-1, C-2, D-4 b. A-1, B-4, C-3, D-2
c. A-2, B-3, C-4, D-1 d. A-4, B-2, C-1, D-3

Answer: (d) A-4, B-2, C-1, D-3

17. What are the health hazards associated with accumulated waste?
- a. Increased risk of infectious diseases
 - b. Respiratory infections and allergies
 - c. Liver and kidney damage
 - d. Occupational hazards for waste handlers
- Answer: (a) Increased risk of infectious diseases

18. What are waterborne diseases?
- a. Diseases caused by accumulated waste
 - b. Diseases spread through contaminated water
 - c. Diseases transmitted through soil pollution
 - d. Diseases caused by airborne pollutants
- Answer: (b) Diseases spread through contaminated water

19. What are some potential long-term health effects for workers handling accumulated waste?
- a. Increased risk of chronic respiratory diseases
 - b. Development of skin conditions and infections
 - c. Potential for developing cancer from exposure to toxins in waste
 - d. All of the above
- Answer: (d) All of the above

20. What is the main reason for the bioaccumulation of toxic chemicals in the tissues of aquatic animals and plants?
- a. Dumping of waste from industries and nuclear power plants
 - b. Release of hot water from thermal power plants
 - c. Presence of plant nutrients from sewage and agricultural fields
 - d. Ingestion of non-biodegradable and fat-soluble pesticides
- Answer: (d) Ingestion of non-biodegradable and fat-soluble pesticides