

ANSWERS

I. Multiple Choice Questions (Type-I)

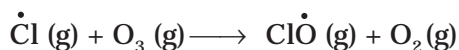
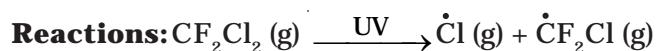
1. (i) 2. (iii) 3. (i) 4. (i) 5. (i) 6. (iii)
7. (ii) 8. (ii) 9. (i) 10. (iii) 11. (iii) 12. (iv)

II. Multiple Choice Questions (Type-II)

13. (iii), (iv) 14. (i), (ii) 15. (ii), (iii), (iv)
16. (i), (ii)

III. Short Answer Type

17. Trapping of heat by green house gases, namely carbon dioxide, methane, nitrous oxide, ozone and chlorofluorocarbons.
19. **[Hint :** Ozone prevents harmful UV radiations of the Sun from reaching to the Earth's surface, thereby it protects life from bad effects of UV radiations.]
21. CFC's are stable compounds. These undergo decomposition in presence of sunlight, as shown below :



Chain reactions continue in which ozone layer is depleted.

23. **[Hint :** Process of eutrophication is responsible for this. Explain the effect of accumulation of phosphate from detergents and organic matter entering into the lake along with domestic waste.]
24. Biodegradable - which are decomposed by bacteria.
Non-biodegradable - which cannot be decomposed by bacteria.
25. Sources of dissolved oxygen in water
(i) Photosynthesis
(ii) Natural aeration
(iii) Mechanical aeration
26. BOD is the measure of level of pollution caused by organic biodegradable material. Low value of BOD indicates that water contains less organic matter.

IV. Matching Type

35. (i) → (c), (d) (ii) → (e), (d) (iii) → (b) (iv) → (a)
36. (i) → (d) (ii) → (e) (iii) → (a) (iv) → (c) (v) → (b)
37. (i) → (e) (ii) → (d) (iii) → (a) (iv) → (b) (v) → (c)
38. (i) → (a), (d) (ii) → (c) (iii) → (a) (iv) → (b)

V. Assertion and Reason Type

39. (iii) 40. (ii) 41. (i) 42. (ii) 43. (iv) 44. (i)
45. (iii)