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Class IX-X: Math & Science

Class XI-XII: Accts., Eco. & B. Stds.

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Class X

Assignment

Our Environment

1. Write any one significance of biochemical cycles?
2. Define environment.
3. According to the sustenance from environment, organisms can be grouped into which three categories?
4. Name any two groups of producers.
5. Define consumers.
6. Write the two raw materials for making food, used by living organisms of first tropic level.
7. Write a common feature between a food chain and energy flow in nature.
8. Explicate the principle of food web.
9. Which of the following are more numerous in a food chain :-
 - (i) Secondary consumer
 - (ii) Tertiary consumer
10. Define biological magnification.
11. Write the names of two decomposers.
12. Define global warming.
13. Write one ill effect of exposure to ultraviolet rays.
14. Which component of sunlight is vital for formation of ozone?
15. As a step to control pollution 'Kulhads' were used on a large scale. What was the ill effect of this practice?
16. A food chain consists of grass, lion and rabbit. In this food chain, which organism will transfer maximum energy?

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17. Which of the following are Biodegradable; plastic toys, cow dung, aluminium foil and cotton?
18. Name the programme that froze CFC production in 1986.
19. Expand UNEP.
20. How is packaging related to increase in non biodegradable waste?
21. Which is greater – energy lost to the environment or energy transferred to next trophic level?
22. Distinguish between biodegradable and non biodegradable wastes. Cite examples.
23. Why a plastic bag is called non-biodegradable while a paper is not?
24. Define an ecosystem. Is the road near your school a part of ecosystem?
25. Choose a biotic components comprising physical factors from the following : Rose, Soil, Leaf, Potato, Mountain, and Atmospheric pressure.
26. Name any four ecosystems.
27. Differentiate between natural and artificial ecosystem.
28. A neem tree is a producer but not the bread mould found on bread we eat. Give reasons.
29. Describe the process of decomposition.
30. Why decomposers are necessary in environment?
31. Distinguish between food chain and food web.
32. Draw a pyramid showing four trophic levels.
33. Pesticides are useful to farmers, yet considered as pollutants. Give reason.
34. Energy stored in the body of lion is the energy coming from sun. Justify.
35. How much energy is available at the first trophic level and fifth trophic level respectively.
36. Enlist two uses of CFCs. Write their harmful effect.
37. What will happen if all the snakes are eliminated from the following:
Grass → Insect → Frog → Snake → Hawk

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38. Enlist various categories of consumers giving examples of each.
39. A farmer cultivates wheat crop in his agricultural field. Explain the interlinks of Biotic and abiotic factors in this case.
40. Describe the 10% law of flow of energy using example. What percentage of solar energy is captured by plants in terrestrial ecosystem that falls on their leaves?
41. Explain how the pesticide used in the field reaches inside the body of a tertiary consumer?
42. What two information's are obtained from the energy flow diagram.
43. Make two food chains and a food web from the following set of living organisms : Grass, Lion, Vulture, Deer, Insect, Snake. Identify the tertiary consumer in both of the food chains.
44. Identify a deadly poisonous gas 'X' found at higher level of atmosphere which shields the surface of earth from harmful radiations from the sun. Write its chemical formula and equation of its formation. Why is damage to the 'X' layer a cause of concern? What steps are beings taken to limit this damage?

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