

INDIAN SCHOOL NIZWA
CLASS :X SUB: BIOLOGY - CH 13 OUR ENVIRONMENT
WORKSHEET-2 (**BOARD QUESTIONS**)

1. Why are green plants called producers?
2. Name any 10 abiotic components of an environment.
3. Which compounds are responsible for the depletion of the ozone layer?
4. Which disease is caused in human beings due to the depletion of the ozone layer?
5. State the essential function performed by ozone at the higher levels of the atmosphere.
6. Why was there a sharp drop in the amount of ozone in the atmosphere in the 1980s?

2 mark Questions

7. Why are bacteria and fungi called decomposers? List any two advantages of decomposers to the environment.
8. Distinguish between producers and decomposers.
9. Why is the ozone layer getting depleted at the higher levels of the atmosphere?
10. Aquarium needs to be cleaned once in a while, whereas ponds or lakes do not require any cleaning. Explain.
11. What will happen if all the deer are removed in the given food chain?
12. What are trophic levels? Give an example of a food chain and state the different trophic levels in it.

3 Mark Questions

1. In the following food chain, plants provide 500 J of energy to rats. How much energy will be available to hawks from snakes?
2. Explain "biological magnification" with the help of an example. Explain how pesticides enter a food chain and subsequently get into our body. Construct an aquatic food chain ending with a shark.
3. State the 10% law. Explain with an example how energy flows through different trophic levels. Why is energy flow in food chains always unidirectional?
4. Differentiate between a food chain and a food web. In a food chain consisting of deer, grass, and tiger, if the population of deer decreases, what will happen to the populations of organisms belonging to the first and third trophic levels?
5. Explain the 10% law of energy transfer in a food chain. If plants provide 500 J of energy to rats, how much energy will be available to hawks from snakes?

5 Mark Questions

1. What is ozone? How is it formed in the upper layers of the Earth's atmosphere? How does ozone affect our ecosystem? Why is damage to the ozone layer a cause for concern? What steps are being taken to limit this damage? Why is the ozone layer getting depleted at the higher levels of the atmosphere?
2. State two methods to get rid of non-biodegradable wastes. Suggest any four eco-friendly activities in daily life.
3. What are decomposers? List two consequences of their absence in an ecosystem.
4. Differentiate between biodegradable and non-biodegradable wastes. List two impacts of each type of accumulated waste on the environment if not disposed of properly