



Biology Worksheet Class X

Our Environment

1 MARK QUESTIONS

1. Why is it necessary to conserve our environment?
2. Which 2 of the following are biodegradable: Tomato leaves, Aluminum wire, Synthetic Fiber and Wool.
3. What is the function of ozone in the upper atmosphere?
4. List 2 biotic components of biosphere.
5. Name 2 decomposers.
6. Write an aquatic food chain.
7. Draw a food chain with 4 trophic levels.
8. The first trophic level in a food chain is a green plant. Why?
9. Write the full name of the group of compounds mainly responsible for the depletion of ozone layer.
10. List 2 examples of natural ecosystem.
11. List 4 common waste disposal methods,

2 MARKS QUESTIONS

1. Why bacteria and fungi are called decomposers?
2. "Which of the following belongs to the same trophic level: Grass, Hawk, Rabbit, Frog and Deer.
3. How can we help in reducing the problem of waste disposal?
4. What is biodiversity? What will happen if biodiversity in an area is not preserved?
5. Why do we say that energy flow in an ecosystem is unidirectional?
6. Explain bio magnification with the help of an example.
7. How is ozone formed in the atmosphere? What is the cause of ozone layer depletion?

8. State two problems caused by the improper disposal of the non- biodegradable waste we generate day by day.
9. Why are crop fields known as artificial ecosystems? Give two more examples of artificial ecosystems.
10. With the knowledge of energy transfer in the food chain, man can replace himself at an advantageous position in the food chain. Explain.

3 mark questions

1. With the help of examples discuss in brief the role of decomposers in cycling of materials in an ecosystem.
2. Arrange the given organisms into a food chain. Frogs, Plants, snakes, hawks, insects
 - a. Which organism will receive maximum amount of energy. Why?
 - b. Which organism will receive maximum amount of toxic chemicals. Why?
3. A food chain consists of the following members.
4. If the last member receives 30 J of energy, calculate the energy that would have been available for the previous trophic levels. state the law used in the calculation.
5. What is meant by a food chain. "The number of trophic levels in a food chain is limited" Give reason. What is the difference between a food chain and a food web?

5 mark questions:

1. A non-biodegradable toxic chemical has entered the food chain. Which type of food habit will you suggest to a man? Vegetarian or non- vegetarian? Explain. The food habit which you would suggest has another advantage. Name it and explain.
2. What is an ecosystem? Name all the components. Write a note on each of the biotic components.
3.
 - a. Explain some harmful effects of agricultural practices on the environment.
 - b. Differentiate between biodegradable and non-biodegradable pollutants. Give examples.
 - c. The existence of decomposers is essential in an ecosystem. Give reason.