



BIOLOGY

BOOKS - CAMBRIDGE BIOLOGY (KANNADA ENGLISH)

OUR ENVIRONMENT

Questions

1. Why are some substances biodegradable and some non-biodegradable?



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2. Give any two ways in which biodegradable substances would effect the environment.



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3. Give any two ways in which biodegradable substances would effect the environment.



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4. What are trophic levels? Give an example of a food chain and state the different trophic levels



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5. What is the role of decomposers in the ecosystem?



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6. What is ozone and how does it affect any ecosystem ?



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7. How can you help in reducing the problem of waste disposal ? Give any two methods.



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Exercise

1. Which of the following groups contain only biodegradable items

A. Grass, flowers & leather

B. Grass, wood & plastic

C. Fruit-peels, cake & lime juice

D. Cake, wood & grass

Answer: C::D



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2. Which of the following constitute a food chains ?

A. Grass, wheat & mango

B. Grass, goat & Human

C. Goat, cow & elephant

D. Grass, fish & goat

Answer: B



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3. Which of the following is environment-friendly practices ?

A. Carrying cloth - bags to put purchases in while shopping.

B. Switching of unnecessary lights & Fans

C. Walking to school insted of getting your mother to drop you on her scoter

D. All the above

Answer: D



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4. What will happens if we kill all the organisms in one trophic level?



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5. Will the impact of removing all the organisms in a trophic level be different for different trophic levels? Can the Organisms of any level be removed without causing any damage to the ecosystem ?



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6. What is biological magnification ? Will the levels of this magnification be different at different levels of the ecosystem.



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7. What are the problems caused by the non-biodegradable wastes that we generate ?



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8. If all the waste we generate is biodegradable, will this have no impact on the environment.



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9. Why is damage to the ozone layer a cause for concern? What steps are being taken to limit this damage ?



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Additional Questions Choose The Correct Answer

1. What percentage of sunlight is used by plants to convert it into food energy ?

A. 0.01

B. 0.1

C. 0.5

D. more than 50%

Answer: A



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2. Flow of energy in an ecosystem is always

A. Unidirectional

B. Bidirectional

C. Multidirectional

D. None of these

Answer: A



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3. Which of the following is non biodegradable ?

A. Tea leaves

B. Nylon

C. Remains of animals

D. Fleece of sheep

Answer: B



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4. The structural and functional unit of the environment is known as:

A. Ecosystem

B. Biosphere

C. Food chain

D. Food web

Answer: C



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5. Depletion of ozone layer is mainly due to

A. Methane

B. Carbon dioxide

C. Chloroflorocarbon

D. Nitrogen

Answer: C



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6. First order consumer are :

A. Carnivores

B. Herbivores

C. Decomposers

D. Omnivores

Answer: B



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7. A detritus food chain begins with

A. Carnivores

B. Herbivores

C. Omnivores

D. Decomposers

Answer: D



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8. In an ecosystem. the 10% of energy disposable for transfer from one trophic level to next is in the form of

A. Heat energy

B. Chemical energy

C. Mechanical energy

D. Light energy

Answer: B



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9. Accumulation of non-biodegradable pesticides in the food chain in increasing

amount at each higher trophic level is known as

- A. Eutrophication
- B. Pollution
- C. Biomagnification
- D. Accumalation

Answer: C



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10. Which of the following is an abiotic component

A. Plants

B. Animals

C. Soil

D. microorganisms

Answer: C



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Additional Questions Fill In The Blanks

1. Polythene is an example of ____ waste.



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2. Food chains are of two types ____ & ____



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3. The waste we generated may be __ or __





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4. The various components of an ecosystem are____



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5. Our environment has four components :
____, ____ and ____



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Additional Questions Answer The Following Questions

1. What si an ecosystem ?



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2. Define ecology.



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3. What do you mean by biogeochemical cycle ? Name examples of biogeo- chemical cycles exist in ecosystem.



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4. what is the food chain?



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5. Name any two abiotic components of an environment.



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6. Why are green plants called producers ?



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7. How is ozone formed in the upper atmosphere? Why is the damage of ozone

layer a cause of concern to us ? State a cause of this damage.



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8. What are biodegradable and non-biodegradable substances? Select two biodegradable pollutants from the following :
Agricultural waste, glass, plastic, sewage, DDT.



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9. What will happens if we kill all the organisms in one trophic level?



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10. What step is being taken to limit the damage to the ozone layer ?



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11. What is the role of decomposers in the eco system?



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12. Why is it necessary to conserve our environment ?



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13. Describe how decomposers facilitate recycling of matter in order to maintain balance in the ecosystem.



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14. Construct an aquatic food chain showing four trophic levels.



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15. Which disease is caused in human beings due to depletion of ozone layer in the atmosphere.



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16. How is the increase in demand for energy affecting our environment adversely?



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17. Name different abiotic factors that affect the ecosystem.



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18. Define trophic level?



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19. Give examples of human made ecosystem.



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20. What do you mean by biosphere?



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Unit Test Fill In The Blanks

1. Polythene is an example of ___ waste.



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2. The waste we generated may be__or__



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Unit Test Answer The Following Questions

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