



BIOLOGY

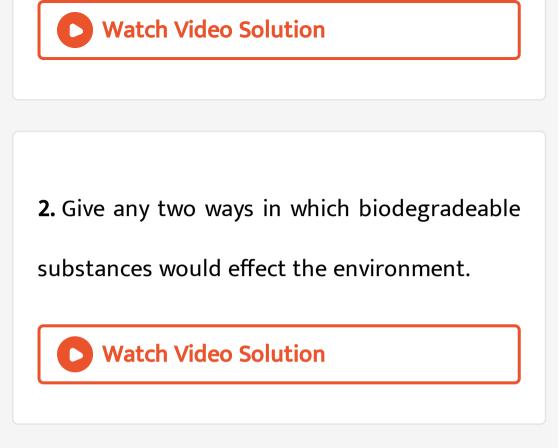
BOOKS - CAMBRIDGE BIOLOGY (KANNADA ENGLISH)

OUR ENVIRONMENT



1. Why are some substances biodegrable and

some non-biodegradable?



3. Give any two ways in which biodegradeable

substances would effect the environment.

4. What are trophic levels? Give an example of

a food chain and state the different trohphic

levels



5. What is the role of decomposers in the eco

system?

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.



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

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

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

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



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 ?





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 ?

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



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

limit this damage ?



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

2. Flow of energy in an ecosystem is always

A. Unidirectional

B. Bidirectional

C. Multidirectional

D. None of these

Answer: A

3. Which of the following is non biodegradable

?

A. Tea leaves

B. Nylon

C. Remains of animals

D. Fleece of sheep

Answer: B

4. The structural and functional unit of the

environment is known as:

A. Ecosystem

B. Biosphere

C. Food chain

D. Food web

Answer: C

5. Depletion of ozone layer is mainly due to

A. Methane

B. Carbon dioxide

C. Chloroflorocarbon

D. Nitrogen

Answer: C



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. Accumalation 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



10. Which of the following is an abiotic component

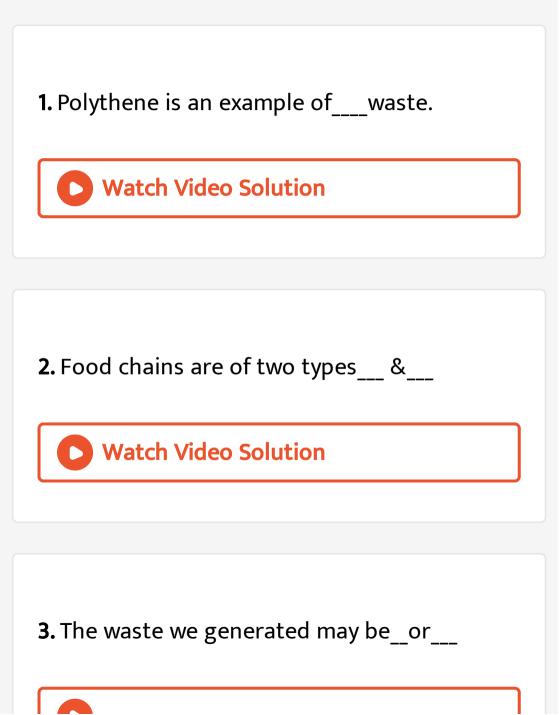
A. Plants

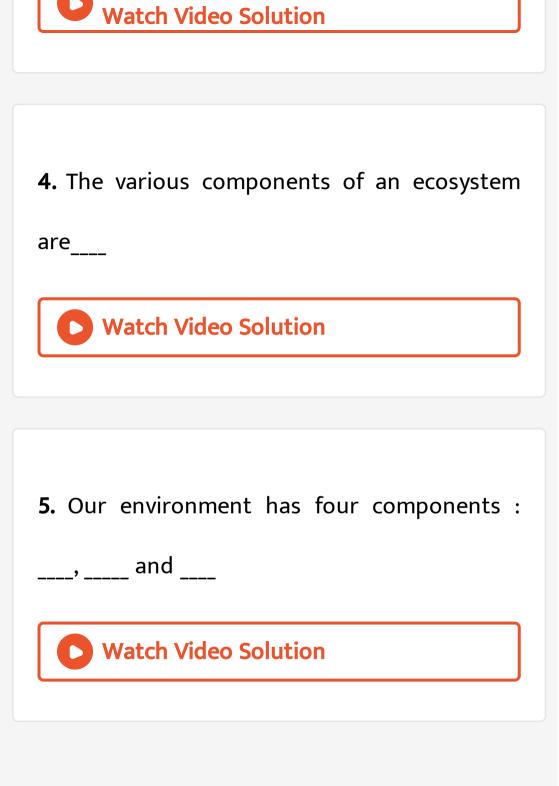
B. Animals

C. Soil

D. microorganisms

Answer: C





1. What si an ecosystem ?

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2. Define ecology.

3. What do you mean by biogeochemical cycle

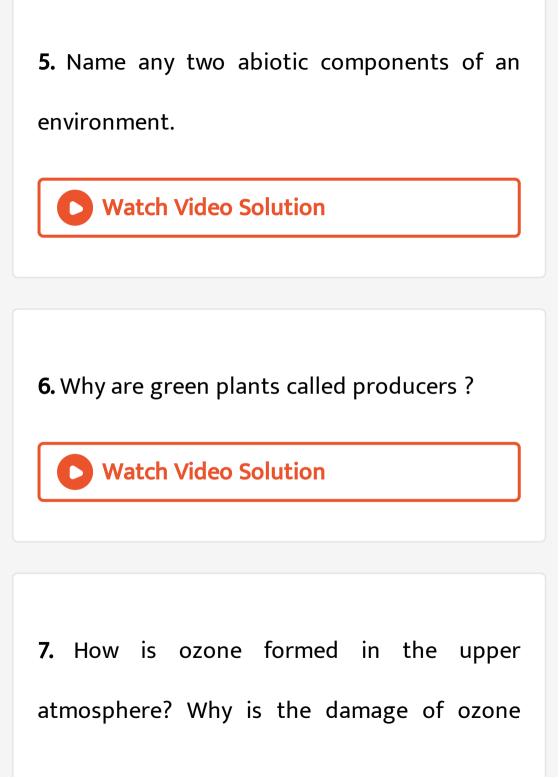
? Name examples of biogeo- chemical cycles

exist in ecosystem.



4. what is the food chain?





layer a cause of concern to us ? State a cause

of this damage.



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

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 ?

11. What is the role of decomposers in the eco system? Watch Video Solution 12. Why is it necessary to conserve our environment?

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



14. Construct an aquatic food chain showing

four trophic levels.

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



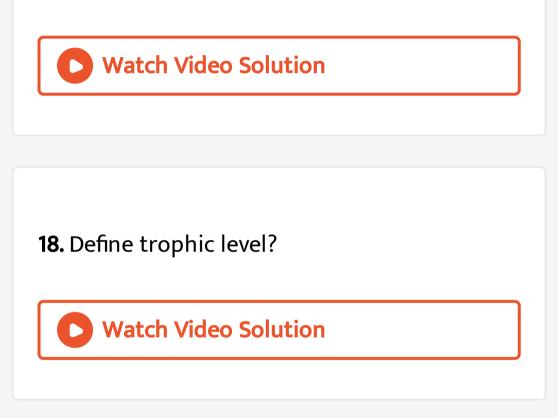
16. How is the increase in demand for energy

affecting our environment adversely?



17. Name different abiotic factors that affect

the ecosystem.



19. Give examples of human made ecosystem.

20. What do you mean by biosphere?



Unit Test Fill In The Blanks

1. Polythene is an example of _____waste.

2. The waste we generated may be__or___

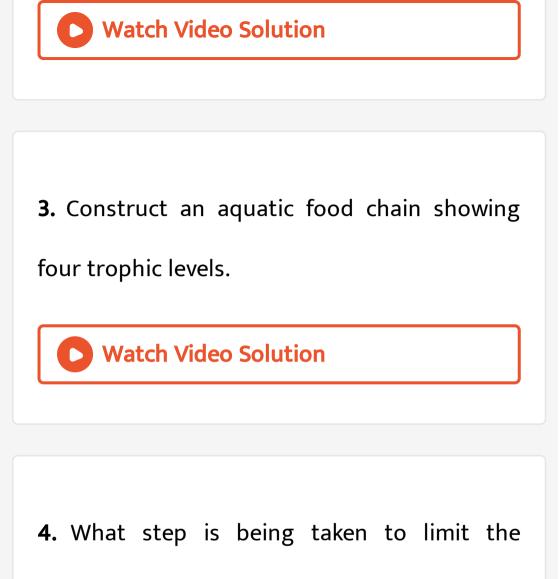


Unit Test Answer The Following Questions

1. Define ecology?

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2. Why are green plants called producers ?



damage to the ozone layer?

5. How can you help in reducing the problem

of waste disposal ? Give any two methods.



6. Why are some substances biodegrable and

some non-biodegradable?

7. What is the role of decomposers in the eco

system?

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8. How is the increase in demand for energy

affecting our environment adversely?