



# BIOLOGY

## NCERT - NCERT BIOLOGY(TELUGU)

### OUR ENVIRONMENT

#### Exercises

1. Why are some substance biodegradable and some non - biodergradable ?



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2. Give any two ways in which biodegradable substance would affect the environment .



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3. Give any two ways in which non-biodegradable substance would affect the environment .



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



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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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8. Which of the following group contain only biodegradable items ?

A. Grass flower and leather

B. Grass , wood and plastic

C. Fruit - peels , cake and like grass

D. Cake , wood and grass

**Answer:**



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9. Which of the following constitute a food - chain ?

A. Grass , wheat and mango

B. Grass , goat and human

C. Goat , cow and elephant

D. Grass , fish and goat

**Answer:**



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**10.** Which of the following are environment - friendly practices ?

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

B. Switching off unnecessary lights and fans

C. Walking to school instead of getting your mother to drop you on her second .

D. All of the above

**Answer:**



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**11.** What will happen if we kill all the organisms in one trophic level ?



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**12.** Will the impact of removing all the organisms in a trophic level be different from different trophic levels? Can the organisms of



any trophic level be removed without causing any damage to the ecosystem?



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**13.** What is biological magnification ? Will the level of this magnification be different at different levels of the ecosystem ?



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**14.** What are the problems caused by the non - biodegradable , will this have no impact on the enviroment ?



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**15.** If al the waste we generate is biodegradable, what impact may this have on the environement?



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



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**Improve Your Learning**

**1.** What happens to the amount of energy transferred from one trophic level to the next in a food chain?



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2. What do pyramids and food chain indicate in an ecosystem?



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3. Write a short note on pyramid of numbers for any food chain. What did you conclude from the pyramid of numbers drawn using :  
tree



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4. Write a short note on pyramid of numbers for any food chain. What did you conclude from the pyramid of numbers drawn using :  
insects



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5. Write a short note on pyramid of numbers for any food chain. What did you conclude from the pyramid of numbers drawn using :  
woodpecker



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6. Draw the pyramid of biomass using the terms given below:

grass



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7. Draw the pyramid of biomass using the terms given below:

herbivores





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8. Draw the pyramid of biomass using the terms given below:

predators



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9. Draw the pyramid of biomass using the terms given below:

hawk



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**10.** How does the usage of toxic substances affect an ecosystem? Write a short note on bioaccumulation and biomagnification.



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**11.** Should we use pesticides to protect the crops and foods from pests? Or should we think of alternatives? Write your opinion and the reasons for it.





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**12.** What is a trophic level? What does it represent in an ecological pyramid?



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**13.** If you want to know more about flow of energy in an ecosystem, what questions do you ask?



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**14.** What will happen if we remove predators from food web?



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**15.** Observe a plant in your kitchen garden, and write a note on producer- consumer relationship.



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**16.** Collect information on sebum and prepare a news bulletin, display it on bulletin board.



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**17.** Draw a pyramid of numbers considering yourself as a top level consumer. Write about the lower trophic levels.



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**18.** Prepare slogans to promote awareness in your classmates about ecofriendly activities.



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**19.** Suggest any three programmes on avoiding pesticides and preventing soil pollution.



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**20.** What happens to the amount of energy transferred from one trophic level to the next in a food chain?



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**21.** What do pyramids and food chain indicate in an ecosystem?



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**22.** Write a short note on pyramid of number for any food chain? What can we conclude from this pyramid of numbers?

(i) tree (ii) insect (iii) woodpecker



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**23.** What is biomass? Draw a pyramid of biomass for the given food chain-

(i) grass leaves (ii) herbivores (iii) predators

(iv) hawk





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**24.** How does the usage of toxic substances affect an ecosystem? Write a short note on bioaccumulation and biomagnification.



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**25.** Should we use pesticides to protect the crops and foods from pests? Or should we think of alternatives? Write your opinion and the reasons for it.



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**26.** What is a trophic level? What does it represent in an ecological pyramid?



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**27.** If you want to know more about flow of energy in an ecosystem, what questions do you ask?



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**28.** What will happen if we remove predators from food web?



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**29.** Observe a plant in your kitchen garden, and write a note on producer- consumer relationship.



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**30.** What type of information do you require to explain pyramid of biomass?



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**31.** Draw a pyramid of numbers considering yourself as a top level consumer. Write about the lower trophic levels.



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**32.** Prepare slogans to promote awareness in your classmates about ecofriendly activities.



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**33.** Suggest any three programmes on avoiding pesticides and preventing soil pollution.



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**Choose The Correct Answer**

1. What does a food chain always start with -

A. The herbivore

B. The carnivore

C. The producer

D. none of them

**Answer:**



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2. Which of the following do plants not compete for?

A. 1. Water

B. 2. Food

C. 3. Space

D. 4. All above

**Answer:**



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**3. Ban all pesticides, this means that**

A. 1. Control on usage of pesticides

B. 2. Prevention of pesticides

C. 3. Promote ecofriendly agricultural practices

D. 4. Stop biochemical factories

**Answer:**



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4. According to Charles Elton, which is correct statement

A. 1. Carnivores at the top of the pyramid

B. 2. Energy trapping is high at the top of the pyramid

C. 3. No producers at the top of the pyramid

D. 4. Both A and C

**Answer:**





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