



## BIOLOGY

### BOOKS - LAKHMIR SINGH & MANJIT KAUR

#### FORESTS: OUR LIFELINE

##### Exercise

1. What is the general name of the micro-organisms such as bacteria and fungi which break down plant and animal matter?

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2. What name is given to the branchy part of a above the stem?

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3. Name any two trees and two animals which are found in forests.



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4. Name the topmost layer of a forest.



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5. What is meant by 'canopy' in a forest?



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6. Name the layer of vegetation in a forest which occurs just below the canopy.



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7. Which layer of vegetation in a forest occurs immediately below the understory?



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8. Name the layer of vegetation in a forest occurs between shrub layer and forest floor.



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9. What type of plants form the lowest layer of vegetation in a forest which is just above the forest floor?



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**10.** State whether the following statement is true or false :

Mushroom is a decomposer.



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**11.** Plants are autotrophs and animals are heterotrophs. What similar sounding term is used for decomposers?



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**12.** Name the dark coloured substance formed by the action of decomposers on dead plant leaves.



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**13.** What name is given to the branches and leaves of tall trees which look like a roof over the other plants in a forest?

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**14.** List five products we get from forests.

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**15.** Fill in the following blank with suitable words :

Herbs form the \_\_\_\_\_ layer in the forest.

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**16.** Fill in the following blank with suitable words :

The decaying leaves and animal droppings in a forest enrich the

\_\_\_\_\_.



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**17.** Fill in the following blank with suitable words :

A forest is a purifier of \_\_\_\_ and \_\_\_\_\_.



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**18.** Fill in the following blank with suitable words :

The insects, butterflies, honeybees and birds help flowering plants in \_\_\_\_\_.



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**19.** Fill in the following blank with suitable words :

The micro-organisms which convert dead plants and animals to

humus are called \_\_\_\_\_.



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20. What is the crown of a tree?



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21. Draw the crown shapes of any four types of trees.



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22. Name the various layers of vegetation in a forest starting from the top downwards.



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23. What happens if an animal dies in a forest?

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24. How do trees grow in a natural forest?

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25. What are the various effects of the destruction of forests?

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26. Why is it necessary to conserve forests?

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27. State two ways to conserve forests.

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28. Explain how, recycling of paper helps in the conservation of forests.

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29. How do animals living in the forest help it to grow and regenerate?

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30. State the reasons for the large scale cutting down of forest trees.

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**31.** What are scavengers?

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**32.** name any two scavengers.

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**33.** Explain why there is no waste in a forest.

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**34.** Give one example of a food chain taking place in a forest.

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**35.** What is the importance of humus in a forest?

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**36.** What are the various effects of the destruction of forests?

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**37.** Explain how, decomposers help in maintaining the supply of nutrients to the growing plants in a forest.

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**38.** Draw a flow chart to show how forests help in maintaining the balance of carbon dioxide and oxygen in the atmosphere.

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39. What are decomposers?

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40. Name any two decomposers.

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41. What do decomposers do in a forest?

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42. Explain how, forests prevent soil erosion.

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**43.** Explain how forests prevent floods.

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**44.** Explain the role of forest in maintaining the balance between oxygen and carbon dioxide in the atmosphere.

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**45.** Describe the importance of forests for us, other animals and the environment.

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**46.** Micro-organisms act upon the dead plants to produce

A. sand

B. mushroom

C. humus

D. wood

**Answer: C**



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**47. Which of the following is not a forest product?**

A. gum

B. plywood

C. sealing wax

D. kerosene

**Answer: D**



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**48.** Which of the following statements is not correct?

- A. forests protect the soil from erosion
- B. plants and animals in a forest are not dependent on one another
- C. forests influence the climate and water cycle
- D. soil helps forests to grow and regenerate

**Answer: B**



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**49.** Which type of organism always occurs at the first step in every food chain?

A. heterotroph

B. autotroph

C. saprotroph

D. scavenger

**Answer: B**



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**50.** One of the following is not produced by the action of decomposers on the dead parts of plants and dead bodies of animals. This one is :

A. carbon dioxide

B. oxygen

C. water

D. nutrients



**Answer: B**

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**51.** which of the following is not a function of the forests?

- A. maintenance of water cycle
- B. bringing sufficient rains
- C. preventing flash floods
- D. causing soil erosion

**Answer: D**

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**52.** Which of the following is not a scavenger?

A. crow

B. jackal

C. lion

D. vulture

**Answer: C**



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**53.** Which of the following help in maintaining the supply of nutrients to the growing plants and trees in a forest?

A. saprotrophs

B. autotroph

C. carnivores

D. heterotrophs

**Answer: A**

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54. which of the following is not a function of the crowns of forest trees during the daytime?

- A. absorb sun's light energy
- B. absorb oxygen from air
- C. carry out photosynthesis
- D. form a green cover

**Answer: B**

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55. Which of the following do not help the flowering plants of a forest in pollination?

- A. honeybees
- B. butterflies
- C. kingfishers
- D. antelopes

**Answer: D**

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56. Which of the following is not a correct statement?

- A. forest trees are cut down to obtain timber
- B. forest trees are cut down to obtain paper
- C. forest trees are cut down to obtain natural rubber

D. forest trees are cut down to obtain firewood

**Answer: C**



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**57.** Which of the following will help in the conservation of forests?

A. recycling of jute bags

B. recycling of cotton bags

C. recycling of paper bags

D. recycling of plastic bags

**Answer: C**



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**58.** The organisms A and B occur on the forest floor. They convert the dead parts of forest plants and dead parts of forest plants and dead bodies of forest animal into simple substances such as C,D and E which can be re-used by organisms F for their growth and development.

What could be organisms A ?

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**59.** The organisms A and B occur on the forest floor. They convert the dead parts of forest plants and dead parts of forest plants and dead bodies of forest animal into simple substances such as C,D and E which can be re-used by organisms F for their growth and development.

What could be organisms B?

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**60.** The organisms A and B occur on the forest floor. They convert the dead parts of forest plants and dead bodies of forest animal into simple substances such as C,D and E which can be re-used by organisms F for their growth and development.

What is the general name of organisms like A and B?



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**61.** The organisms A and B occur on the forest floor. They convert the dead parts of forest plants and dead parts of forest plants and dead bodies of forest animal into simple substances such as C,D and E which can be re-used by organisms F for their growth and development.

What is C ?



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**62.** The organisms A and B occur on the forest floor. They convert the dead parts of forest plants and dead parts of forest plants and dead bodies of forest animal into simple substances such as C,D and E which can be re-used by organisms F for their growth and development.

What is D ?



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**63.** The organisms A and B occur on the forest floor. They convert the dead parts of forest plants and dead parts of forest plants and dead bodies of forest animal into simple substances such as C,D and E which can be re-used by organisms F for their growth and development.

What is E ?



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**64.** The organisms A and B occur on the forest floor. They convert the dead parts of forest plants and dead parts of forest plants and dead bodies of forest animal into simple substances such as C,D and E which can be re-used by organisms F for their growth and development.

What could be organisms F be?

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**65.** Consider the following organisms :

birds,Mushroom,Crow,grass,Tiger,Vulture,frog,toadstool,Ape,Insects,Deer

Which of these organisms :

can eat the dead animals?

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**66.** Consider the following organisms :

birds,Mushroom,Crow,grass,Tiger,Vulture,frog,toadstool,Ape,Insects,Deer

Which of these organisms :

can decompose dead animals?



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**67.** Consider the following organisms :

birds,Mushroom,Crow,grass,Tiger,Vulture,frog,toadstool,Ape,Insects,Deer

Which of these organisms :

can pollinate the flowers?



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**68.** Consider the following organisms :

birds,Mushroom,Crow,grass,Tiger,Vulture,frog,toadstool,Ape,Insects,Deer

Which of these organisms :

can form a three step food chain which occurs in the forest?



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**69.** X and Y are the two types of organisms which are found in forests. Both types of organisms are considered to be cleansing agents of the forest environment in their own way. The organisms like X eat up the dead animals in the forest whereas the organisms like y break down the dead animals into simple substance which can be re-used for the growth of plants.

What is the general name of organisms like X?



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**70.** X and Y are the two types of organisms which are found in forests. Both types of organisms are considered to be cleansing

agents of the forest environment in their own way. The organisms like X eat up the dead animals in the forest whereas the organisms like y break down the dead animals into simple substance which can be re-used for the growth of plants.

Name one organisms like X.

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**71.** X and Y are the two types of organisms which are found in forests. Both types of organisms are considered to be cleansing agents of the forest environment in their own way. The organisms like X eat up the dead animals in the forest whereas the organisms like y break down the dead animals into simple substance which can be re-used for the growth of plants.

What is the general name of the organisms like Y?

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72. X and Y are the two types of organisms which are found in forests. Both types of organisms are considered to be cleansing agents of the forest environment in their own way. The organisms like X eat up the dead animals in the forest whereas the organisms like Y break down the dead animals into simple substance which can be re-used for the growth of plants.

Name one organism like Y.



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