

14/11/24

FORESTS: OUR LIFELINE

* Exercises

Q1 Explain how animals dwelling in the forest help it grow and regenerate?

Ans) Animals help in maintaining ecosystem because they are herbivores, carnivorous, and omnivorous.

ii) Micro-organisms convert dead plants and animals to humus.

iii) Animals help in dispersing the seeds of certain plants.

iv) The decaying animals dung provides nutrients to various types of seedlings to grow.

Q2 Explain how forests prevent floods?

Ans Forest acts as a natural absorber of water. It allows rain water to seep through. In absence of trees rain water causes flood.

Q3 What are decomposers? Name any two of them. What do you they do in the forests?

Ans

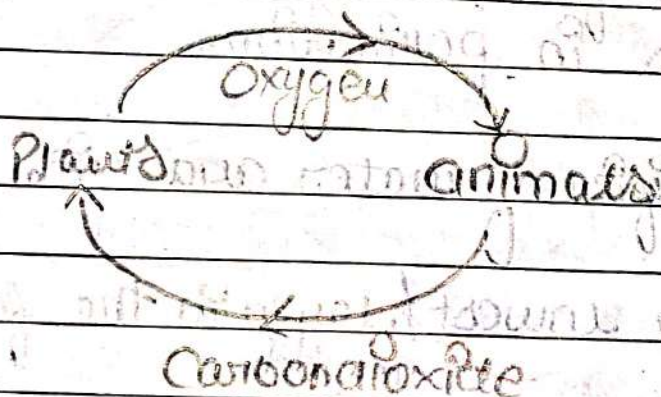
Micro-organisms are decomposers that convert the dead plants and animals to humus. Bacteria and fungi are the two types of decomposers.

Q4

Explain the role of forest in maintaining the balance between oxygen and carbon dioxide in the atmosphere?

Ans

Plants release oxygen and use carbon dioxide in photosynthesis. Animals use oxygen and release carbon-dioxide during respiration and maintain a balance between oxygen and carbon dioxide.



Q5 Explain why there is no waste in a forest?

Ans: There is no waste in a forest because micro-organisms act on the wastes and convert them to humus. This humus ensure that the nutrients are returned back to the soil.

Q6. List five products we get from forests?

- Ans: i) Medicines
ii) Wood
iii) Paper
iv) Oil
v) Gum

Q7. Fill in the blanks:-

- i) Insects, butterflies, honeybees and birds help flowering plants in pollination.
- ii) A forest is a purifier of water and air.
- iii) Herbs from the lowest layer in the forest ground.
- iv) The decaying leaves and animals droppings in a forest enrich the soil as humus.

Q8) Why should we worry about the conditions and issues related to forests far from us?

Ans) Depletion of forests results in soil erosion.

i) In the absence of forests the animals will not get food and shelter.

ii) Wood, fruits and medicines will not be available in the absence of forests.

iii) If we cut forests the amount of the carbon dioxide in the atmosphere will increase.

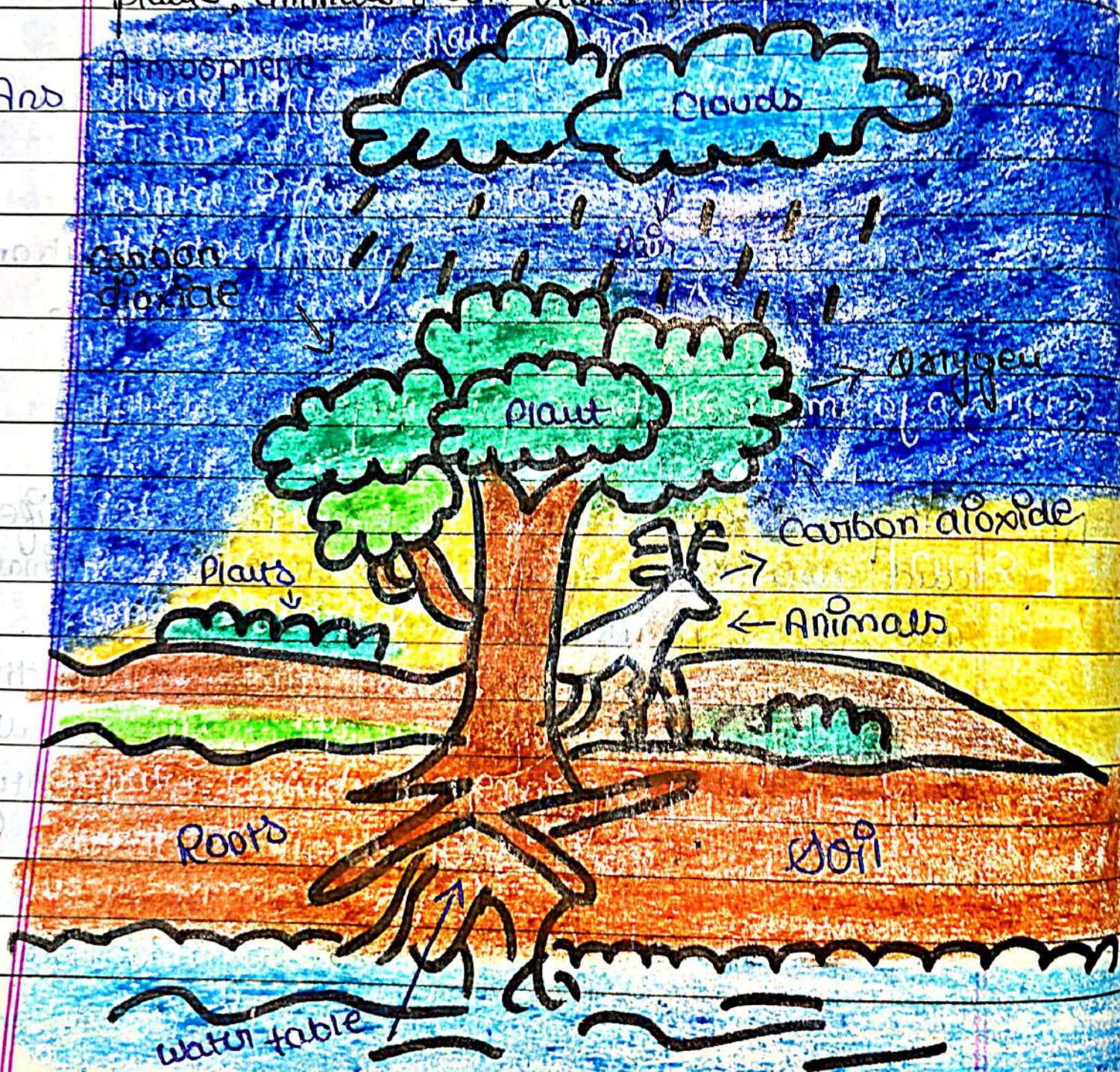
Q9) Explain why there is a need of variety of animals and plants in a forest?

Ans) All plants and animals sustain the forest life and also CO_2 - O_2 cycle goes on due to animals and plants. Animals convert the dead and decaying matters into humus and increase the fertility of soil, thus enhancing plant growth. All food chain and food webs need variety of plants and animals.

Q10. In fig. 17.15, the artist has forgotten to put the labels and directions on the arrows. Mark the directions on the arrows and label the dia. using the following labels:-

Clouds, rain, atmosphere, carbon dioxide, oxygen, plants, animals, soil, roots, water table.

Ans



Q11 Which of the following is not a forest's product?

- i) Gum
- ii) Plywood
- iii) Sealing wax
- iv) Kerosene

Q12 Which of the following statements is not correct?

- i) Forests protect the soil from erosion.
- ii) Plants and animals in a forest are not dependent on one another.
- iii) Forests influence the climate and water cycle.
- iv) Soil helps forests to grow and regenerate.

Q13 Micro-organisms act upon the dead plants to

- i) produce
- ii) sand
- iii) mushrooms
- iv) humus
- v) wood

25/11/24

Page No. 42

Date

CH - Forests: Our lifeline

* MCQ

- Q1 Which of the following serve as green lungs?
- a) Green pigment of the plants
 - b) Forests
 - c) Kitchen gardens
 - d) Green houses gases

Q2 Boojno visited a forest near his town with his classmates and his teacher. As they were entering the forest, their class teacher told them not to make noise in forest as noise can disturb the

- a) birds
- b) animals
- c) both birds and animals
- d) plants

Q3 Which among the following forest animals is the smallest?

- a) Fox
- b) Bear
- c) Bison
- d) Porcupine

Q4 Which of the following has the strongest stem?

- a) A tree
- b) A creeper
- c) A climber
- d) A bush

Q5 Which of the following is not prepared from the wood obtained from forest?

- a) Paper
- b) Thermocol
- c) Matchsticks
- d) Plywood

26/11/24

Q6 Which of the following is not the name of a tree?

- a) Teak
- b) Sal
- c) Porcupine
- d) Kachnar

Q7 Pick the option which gives the names of a tree and an animal respectively from the following:

- a) Semal, hornbill
- b) Sal, khain
- c) Chinkara, blue bull
- d) neem, palash

Q8 Which of the products is not obtained from a forest?

- a) Honey
- b) Catechu
- c) Gum
- d) Ginger

Q9 The ~~branchy~~ part of a tree above the stem is known as

- a) Crown
- b) Canopy
- c) Sapling
- d) Humus

Q10 Forests are not responsible for

- a) providing medicinal plants
- b) maintaining the flow of water into the streams
- c) creating flood conditions
- d) absorbing rainwater and maintaining water table

03/12/24

online class work.