

LESSON PLAN**SPECIFIC OBJECTIVES**

The students will learn about

- ✧ forest, their types and layers
- ✧ importance of forests in nature
- ✧ forest acting as an ecosystem
- ✧ food chain and food web in an ecosystem
- ✧ interdependence of plants and animals in a forest
- ✧ threats to forests
- ✧ forest conservation and management

TEACHING AIDS

Pictures/charts/models/animations on different types of forests, different layers in forest, wild animals in their natural habitat; some forest products; food chains, food web, deforestation; a scene from Chipko Movement, Sundar Lal Bahuguna, vanamahotsava, etc.

LESSON PLAN

- ✧ The teacher should start the chapter with ‘Gear Up’ by discussing the given questions in the section.
- ✧ The teacher should define forest, area occupied by forests on the earth and in India, types of forests found in India, structure of a forest (layers of forest) and importance of forests to man, environment and other animals.
- ✧ The teacher should define forest as an ecosystem by describing food chains and food web in a forest ecosystem.
- ✧ The teacher should give Activity 2 as class assignment to elaborate the understanding of students for an ecosystem and its components.
- ✧ The teacher should explain interdependence of plants and animals in forest.
- ✧ Now, the teacher should discuss various threats to forests, their causes and consequences.
- ✧ The teacher should also discuss forest conservation and various ways for their management.

- ✧ The teacher should also discuss the people's movements for conservation of forests.
- ✧ Students should be asked to solve 'Check Points' 1 and 2.
- ✧ At last, the teacher will sum up the lesson by going through the points given under the head 'Wrap Up Now'.
- ✧ The teacher will help the students to solve all the questions given in exercises under the head 'Practice Time' and will also discuss the topics given under the head 'Formative Tasks'.

BOOST UP

- ✧ The teacher should ask each student to tell one importance of forest.
- ✧ Students should be asked to collect pictures of two animals each of herbivores, carnivores and omnivores found in forests.
- ✧ The teacher should give Activity 1 as home assignment and ask students to discuss the results in the class.
- ✧ Students should be asked few questions related to food chain and energy flow in food chain. They should also be asked to explain interdependence of plants and animals in a forest.

EXPECTED LEARNING OUTCOMES

The students know about

- ✧ forest.
- ✧ percentage of forest cover on the earth and in India.
- ✧ types of plants and layers found in a forest.
- ✧ importance of forest.
- ✧ forest as an ecosystem.
- ✧ food chain and food web in a forest ecosystem.
- ✧ interdependence of plants and animals.
- ✧ threats to forests, i.e., deforestation and pollution.
- ✧ forest conservation and management, and related movements.

EVALUATIVE QUESTIONS

The teacher may ask the following questions for evaluating the understanding of students.

1. Define forest.
2. Mention the layers of forests.
3. Why is forest considered an important resource in nature?
4. What is meant by global warming?
5. What is the difference between producers and consumers?
6. Why are deforestation and pollution considered threats to forests?
7. Explain few measures of forest conservation.