

LESSON PLAN

SPECIFIC OBJECTIVES

- The students will learn about
- ✧ biodiversity
 - ✧ biodiversity in India, threats to biodiversity and its conservation
 - ✧ flora and fauna
 - ✧ endemic species
 - ✧ conservation of biodiversity
 - ✧ deforestation, its causes and consequences
 - ✧ forest conservation and management
 - ✧ wildlife and its conservation
 - ✧ migration in animals and its need

TEACHING AIDS

Pictures/charts/models/animations on deforestation, desertification, some extinct species of animals, endangered animals, vulnerable animals, rare species of animals, national park, wildlife sanctuary, biosphere reserve, etc.

LESSON PLAN

- ✧ Teacher will start the chapter by going through the points given in 'Know these points before you start' section.
- ✧ Teacher will define the term biodiversity and discuss global biodiversity and biodiversity of India.
- ✧ Teacher will discuss need of conservation of biodiversity.
- ✧ Teacher will discuss the threats to biodiversity and will explain deforestation, its causes and consequences.
- ✧ Teacher will define the terms flora and fauna, endemic and exotic species and discuss the importance of forests.

- ✧ Teacher will discuss conservation of biodiversity and explain conservation of forests and wildlife.
- ✧ Teacher will define forest conservation and management.
- ✧ Teacher will discuss the need and benefits of recycling of paper.
- ✧ Now, teacher will ask students to solve Check Point 1.
- ✧ Teacher will discuss wildlife, its conservation and causes of wildlife depletion.
- ✧ Teacher will discuss Red Data Book and its importance.
- ✧ Now, teacher will explain the strategies for wildlife conservation.
- ✧ Teacher will also discuss legal provisions for the conservation of biodiversity.
- ✧ Teacher will discuss migration in animals and its need.
- ✧ Now, teacher will ask students to solve Check Point 2.
- ✧ Teacher will make students revise the new terms given under the head 'Know These Terms'.
- ✧ Finally, teacher will help students to solve the questions given in exercises under the head 'Practice Time' and 'Think Zone'.

BOOST UP

- ✧ Teacher should demonstrate and explain activities given in the chapter.
- ✧ Teacher should discuss the information given under the head 'Something More'.
- ✧ Teacher should discuss the conversation of Annu and Mannu given in between the topics.
- ✧ Students should be asked to collect some pictures related to deforestation, its causes and consequences.
- ✧ Teacher should encourage students to collect information related to forest conservation and management.

EXPECTED LEARNING OUTCOMES

The students know about

- ✧ global and megabiodiversity and hotspots.
- ✧ threats to biodiversity.
- ✧ conservation of biodiversity and its need.
- ✧ flora and fauna, endemic species and exotic species.
- ✧ utility of forests.
- ✧ deforestation, its causes and consequences.
- ✧ afforestation.
- ✧ recycling of paper.
- ✧ threatened, endangered, vulnerable and rare species.
- ✧ the Red Data Book and its importance.
- ✧ protected areas, captive breeding and wildlife projects in India.
- ✧ legal provisions for the conservation of biodiversity.
- ✧ migration in animals.

EVALUATIVE QUESTIONS

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

1. Define biodiversity.
2. Mention the causes of loss of biodiversity.
3. Write the differences between flora and fauna.
4. What is meant by deforestation?
5. What are endemic and exotic species?
6. What does the Red Data Book contain?
7. When was Project Tiger launched? How many tiger reserves have been established under this project?