

Chapter 10

The Sun as a Natural Resource

LESSON PLAN

SPECIFIC OBJECTIVES

The students will learn about

- ❖ the sun as a natural source of energy
- ❖ the sun for growth and photosynthesis in plants
- ❖ uses of solar energy
- ❖ solar cells as a source of electricity
- ❖ renewable and nonrenewable sources of energy
- ❖ conservation of energy

Teaching Aids

Pictures/charts/models/animation on the topics given in the chapter.

Lesson Plan

- ❖ Teacher will start the chapter with 'Gear Up' section introducing the use of the sun's energy.
- ❖ Now, teacher will discuss the importance of the sun as a natural source of energy.
- ❖ Teacher will explain the importance of the sun for plants and will discuss different activities done in the sun in different seasons.
- ❖ Teacher will discuss the uses of solar energy.
- ❖ Teacher will define renewable and nonrenewable sources of energy.
- ❖ Teacher will discuss the importance and ways of energy conservation.
- ❖ Now, to test the understanding of students about the topics, teacher will ask them to solve 'Check Point'.
- ❖ At last, teacher will sum up the chapter by going through the points given under the head 'Wrap up now' and revising the 'New Words'.
- ❖ Finally, teacher will help students to solve all the exercises given under the head 'Practice Time'.

Boost Up

- ❖ Teacher should give more examples of uses of solar energy in everyday life.
- ❖ Teacher should discuss the need of energy conservation in detail.
- ❖ Teacher should encourage students to explore more ways for energy conservation.

Expected Learning Outcomes

The students understand and know

- ❖ the sun as a natural source of energy.
- ❖ role of the sun in growth of plants and photosynthesis.
- ❖ uses of solar energy.
- ❖ solar cells as source of electricity.
- ❖ renewable and nonrenewable sources of energy.
- ❖ importance and ways for conservation of energy.

Evaluative Questions

Teacher may ask the following questions for evaluating learning and understanding of students:

1. What does the sun give us?
2. How do green plants make food?
3. Which energy is used in solar cooker and solar water heater?
4. Name some nonrenewable sources of energy.