Air Around Us

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LESSON PLAN

SPECIFIC OBJECTIVES

The students will learn about

- composition of air
- how oxygen becomes available to soil and aquatic organisms
- circulation of oxygen in air
- uses of air

TEACHING AIDS

Pictures/charts/models/animation on composition of air; fishes in sea; smoke from chimneys, automobiles; dust storm; process of photosynthesis; mountaineers carrying oxygen cylinders; windmill; sky diver landing with a parachute (all as given in chapter).

LESSON PLAN

- Teacher will start the chapter by going through the points given in 'Know these points before you start' section.
- Now, with the help of teaching aids, teacher will define air and discuss the composition of air by demonstrating activities given in the chapter.
- With the help of suitable teaching aids and by demonstrating the related activities, teacher will discuss the presence of air in soil and water.
- Teacher will explain the availability of oxygen to the soil and aquatic organisms.
- Teacher will discuss how the balance of carbon dioxide and oxygen is maintained in air.
- Teacher will discuss various uses of air.
- Now, teacher will ask students to solve Check Points 1, 2 and 3.
- 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.
- Teacher should encourage the students to find more uses of air other than those given in the book.

EXPECTED LEARNING OUTCOMES

The students understand and know the

- presence of air around us.
- components of air.
- availability of oxygen to the organisms living in soil and water.
- balance of carbon dioxide and oxygen in air.
- various uses of air.

EVALUATIVE QUESTIONS

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

1. How can you say that air is present everywhere?
2. Give the percentage of different components of air.
3. What is meant by photosynthesis?
4. Why are earthworms called friends of farmers?
5. Define respiration.
6. Which two processes maintain the balance of carbon dioxide and oxygen in air?
7. Give four uses of air.