

Chapter 6

Solids, Liquids and Gases

LESSON PLAN

SPECIFIC OBJECTIVES

The students will learn about

- ❖ properties of solids, liquids and gases
- ❖ separation of liquids from solids
- ❖ composition of air
- ❖ land breeze, sea breeze and monsoon breezes
- ❖ role of ventilators and windows in buildings

Teaching Aids

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

Lesson Plan

- ❖ Teacher will start the chapter with 'Gear Up' section discussing the three states of matter which students learnt in the previous class.
- ❖ Now, with the help of suitable teaching aids, teacher will explain the properties of solids, liquids and gases.
- ❖ Teacher will define a solution and discuss substances soluble and insoluble in water.
- ❖ Teacher will explain methods for separation of liquids from solids.
- ❖ Teacher will discuss composition and features of air.
- ❖ To check the understanding of students about the topic, teacher will ask them to solve 'Check Point 1'.
- ❖ Now, teacher will explain difference between blowing of wind, breeze and storm.
- ❖ With the help of suitable teaching aids, teacher will explain the formation and blowing of sea breeze and land breeze.
- ❖ Teacher will discuss the formation of monsoon breezes and will compare them with sea breeze and land breeze.
- ❖ Now, teacher will discuss the role of ventilators and windows in the buildings.
- ❖ Now, teacher will ask students to solve 'Check Point 2'.

- ❖ At last, teacher will sum up the chapter by going through all 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 help students in carrying out activities given in the chapter.
- ❖ Teacher should encourage students to explore more uses of air.
- ❖ Teacher should also discuss the significance of land breeze, sea breeze and monsoon breezes and their impact on human life.
- ❖ Teacher should also discuss the importance and need of fresh air and correlate it with use of ventilators and construction of windows in the buildings.

Expected Learning Outcomes

The students understand and know

- ❖ properties of matter in solid, liquid and gaseous states.
- ❖ substances soluble and insoluble in water.
- ❖ different methods of water purification.
- ❖ composition of air.
- ❖ formation of land, sea and monsoon breezes and their impact on human life.
- ❖ role of installing ventilators and windows in buildings.

Evaluative Questions

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

1. What are the three states of matter?
2. What is a solution?
3. What is sedimentation?
4. What is the difference between sea breeze and land breeze?
5. What is monsoon breeze?