

# Chapter 1

## Tissues

### LESSON PLAN

#### SPECIFIC OBJECTIVES

The students will learn about

- ❖ organisation
- ❖ different levels of organisation in living things
- ❖ levels of organisation up to organism
- ❖ levels of organisation higher to organism
- ❖ plant tissues
- ❖ animal tissues

#### Teaching Aids

**Pictures/charts/models/animation** on different levels of organisation in the living world (lower to organism and higher to organism), unicellular organisms, levels of biological organisation in animals and plants, various types of plant tissues, cross-section of leaf; various types of animal tissues

#### Teaching Strategy

- ❖ Teacher will start the chapter by discussing the organisation and purpose of organisation in living beings.
- ❖ Then, teacher will describe three major levels of organisation in the living world, i.e., organism level of organisation, levels of organisation lower to the organism and levels of organisation higher to the organism, mentioning molecular level, from cells up to biosphere level.
- ❖ Now, teacher will ask students to solve 'Check Point 1'.
- ❖ With the help of suitable teaching aids, teacher will define different types of plant tissues, their features, locations and functions.
- ❖ To aid to the understanding of students, teacher will demonstrate Activity 4.
- ❖ Now, teacher will ask students to solve 'Check Point 2'.

- ❖ Now, teacher will define different types of tissues found in animals with the elaboration of their features, locations and functions.
- ❖ Then, teacher will ask student to solve 'Check Point 3'.
- ❖ At last, teacher will sum up the lesson by going through the points given under the head 'Wrapping It Up'.
- ❖ Teacher will finally help students to answer the questions given under the head 'Test Yourself'.

### Boost Up

- ❖ Teacher can help students to perform the activities given in chapter.
- ❖ Teacher can make students revise new terms given under the head 'Know These Terms'.
- ❖ Teacher can encourage students to learn the facts given under the head 'Something More'.
- ❖ Teacher can show animations related to the topics taught, if possible.
- ❖ Teacher may give related activities as home assignments and discuss the results in the class.

### Expected Learning Outcomes

The students understand and know:

- ❖ organisation and different levels of organisation in the living world
- ❖ different types of plant tissues, their structures, locations and functions
- ❖ different types of animal tissues, their structures, locations and functions

### Evaluative Questions

The teacher should ask the following questions to evaluate the students:

1. What are the levels of organisation lower to organism in living beings?
2. What does a biotic community consist of?
3. What is biosphere?
4. Where is meristematic tissue found in plants?
5. What is the function of nervous tissue in animals?