

LESSON PLAN

SPECIFIC OBJECTIVES

- The students will learn about
- ❖ organisation of living organisms
 - ❖ organ systems in human body
 - ❖ skeletal system
 - ❖ human skeletal system
 - ❖ joints
 - ❖ movement of bones
 - ❖ locomotion in animals

TEACHING AIDS

Pictures/charts/models/animation on organ systems in human body; locomotion in earthworm, snail, cockroach, fish, snake, birds; human skeleton; joints in human body, types of joints; movement in bones (all as given in the chapter).

LESSON PLAN

- ❖ Teacher will start the chapter by going through the points given in 'Know these points before you start' section.
- ❖ Teacher will explain unicellular and multicellular organisms and discuss levels of organisation, i.e., tissue, organ, organ system and organism in multicellular organisms.
- ❖ Teacher will briefly discuss organs and functions of organ systems in human body.
- ❖ Teacher will ask students to solve Check Point 1.
- ❖ Teacher will explain skeletal system, its types and functions.
- ❖ Teacher will discuss types of bones and their locations in the body.
- ❖ With the help of different teaching aids, teacher will explain the human skeletal system and its parts.
- ❖ Teacher will ask students to solve Check Point 2.

- ❖ Teacher will discuss joints and their types found in the human body.
- ❖ Teacher will discuss the mechanism of movement in body parts.
- ❖ Now, teacher will ask students to solve Check Point 3.
- ❖ Then, teacher will discuss the need of locomotion and different types of locomotions in animals.
- ❖ Teacher will explain locomotion in earthworm, snail, cockroach, fish, snake and pigeon.
- ❖ Teacher will ask students to solve Check Point 4.
- ❖ 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 encouraged to observe the movement and locomotion of some more animals other than those given in the book.
- ❖ Teacher should encourage students to watch Discovery, National Geographic and Animal Planet channels to know more about animals.

EXPECTED LEARNING OUTCOMES

The students understand and know the

- ❖ unicellular and multicellular organisms.
- ❖ living organisms and their levels of organisation.
- ❖ movement and locomotion in various kinds of animals.
- ❖ skeletal system and its functions, human skeletal system and its parts.
- ❖ joints and their types.
- ❖ movement of bones.

EVALUATIVE QUESTIONS

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

1. What are the differences between unicellular and multicellular organisms?
2. What is meant by organ system? Write one example of it.
3. How does an earthworm move?
4. Define operculum.
5. Give main function of the skeletal system.
6. How is rib cage formed?
7. Which organ system do brain, spinal cord and nerves belong to?