

Chapter 5

Human Respiratory System

LESSON PLAN

SPECIFIC OBJECTIVES

The students will learn about

- ❖ respiration
- ❖ respiratory system in humans
- ❖ process of respiration
- ❖ common respiratory diseases

Teaching Aids

Pictures/charts/models/animation on breathing passage in humans, human lungs, structure of alveoli, mechanism of breathing, respiratory process in humans; common respiratory diseases as given in chapter.

Teaching Strategy

- ❖ Teacher will start the chapter by defining respiration and its need to living beings.
- ❖ Now, teacher will discuss human respiratory system by explaining the structure and functioning of respiratory organs.
- ❖ Now, teacher will ask students to solve 'Check Point 1'.
- ❖ Teacher will explain the process of respiration by discussing the steps involved in it.
- ❖ Teacher will differentiate between breathing and respiration.
- ❖ Teacher will explain the process of breathing with the help of Activities 1, 2, 3 and 4.
- ❖ Teacher will explain and distinguish between external, internal and cellular respirations.
- ❖ Now, the teacher will ask students to solve 'Check Point 2'.
- ❖ Now, teacher will explain common respiratory diseases, their causes, symptoms and treatment.
- ❖ Now, teacher will ask students to solve the '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 1 and 2 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 should give Activity 3 as class assignment.
- ❖ Teacher should give Activity 4 as home assignment and discuss the results in the class.
- ❖ Teacher should discuss some more respiratory diseases and their remedies.
- ❖ Teacher should also discuss about healthy lungs and their importance.

Expected Learning Outcomes

The students understand and know:

- ❖ about respiration and its process
- ❖ respiratory organs, their structure and function in human beings
- ❖ common respiratory diseases, their causes, symptoms and treatments

Evaluative Questions

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

1. Why do living beings respire?
2. What is larynx?
3. What are alveoli?
4. What are inhalation and exhalation?
5. What is cell respiration?
6. Name some common respiratory diseases.