

LESSON PLAN

SPECIFIC OBJECTIVES

- The students will learn about
- ✧ modes of nutrition in animals
 - ✧ steps in animal nutrition
 - ✧ nutrition in *Amoeba*
 - ✧ nutrition in humans
 - ✧ digestion of food in ruminants

TEACHING AIDS

Pictures/charts/models/animations on herbivores, carnivores, omnivores; nutrition in *Amoeba*; human digestive system; dentition in man, parts of a tooth, tooth decay, location of different taste buds on tongue, peristaltic movements in oesophagus, intestinal villi; alimentary canal of a ruminant, stomach of a ruminant, etc.

LESSON PLAN

- ✧ Teacher will start the chapter by going through the points given in 'Know these points before you start' section.
- ✧ Teacher will describe heterotrophic mode of nutrition.
- ✧ Teacher will discuss heterotrophs and the types of heterotrophs, i.e., herbivores, carnivores and omnivores.
- ✧ Teacher will describe different steps involved in animal nutrition.
- ✧ Now, teacher will discuss nutrition in *Amoeba*.
- ✧ Teacher will ask students to solve Check Point 1.
- ✧ Now, teacher will discuss nutrition in humans by describing the human digestive system.
- ✧ Teacher will explain function of each part of the digestive system.
- ✧ Teacher will ask students to solve Check Point 2.
- ✧ Now, teacher will define digestion of food in ruminants.

- ✧ Teacher will ask students to solve Check Point 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 students to watch Discovery, National Geographic and Animal Planet channels to know more about animals.

EXPECTED LEARNING OUTCOMES

The students know about

- ✧ heterotrophic mode of nutrition.
- ✧ kinds of animals based on their eating habits.
- ✧ nutrition in humans.
- ✧ digestion of food in ruminants.

EVALUATIVE QUESTIONS

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

1. Define herbivores and give their two examples.
2. What is the difference between absorption and assimilation?
3. What are incisors used for?
4. Define tongue and write its three functions.
5. Which is the largest gland in the body?
6. What is meant by defecation?
7. How is cellulose digested?