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Nutrition in Animals

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, 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

- ✧ The teacher will start the lesson with 'Science Vocabulary' section by telling the meaning/definition of new terms which are used in the chapter.
- ✧ The teacher will describe heterotrophs and discuss the types of heterotrophs, i.e., herbivores, carnivores and omnivores based on their eating habits.
- ✧ The teacher will describe modes of nutrition in animals.
- ✧ The teacher will discuss the process and steps involved in holozoic nutrition.
- ✧ The teacher will discuss nutrition in *Amoeba*.
- ✧ Now, teacher will discuss human digestive system and explain nutrition in man.
- ✧ The teacher should discuss tooth decay and importance of oral hygiene.
- ✧ Now, teacher should define ruminants and food digestion in them.
- ✧ The teacher should ask the students to solve 'Check Points' 1, 2 and 3.
- ✧ The teacher will help the students to solve the questions given in exercises under the head 'Let's Drill Our Skills' and to complete the flowchart given under the head 'Let's Memorise'.

BOOST UP

- ✧ The teacher should perform Activity given in the chapter while discussing the role of saliva in digestion.
- ✧ The teacher should tell students the facts given in 'Beyond the Horizon'.

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. Write three functions of tongue.
5. Which is the largest gland in the body?
6. What is meant by defecation?
7. How is cellulose digested?