



KALPAVRUKSHA MODEL SCHOOL

Assignments – 1 Answers

Class: VII

Sub: Biology

Date: 18.06.2021

Topic: Nutrition in animals

I. Answer the following questions:

1. What you understand by term digestion?

Ans: The breakdown of complex components of food (carbohydrates) into simpler substances is called digestion.

2. Name the different organs that form the human alimentary canal.

Ans: The main organs of digestive system are mouth, oesophagus, stomach, small intestine, large intestine, rectum, anus.

3. What do you understand by the term assimilation?

Ans: The use of simple substances to build complex substances required by the body is called assimilation.

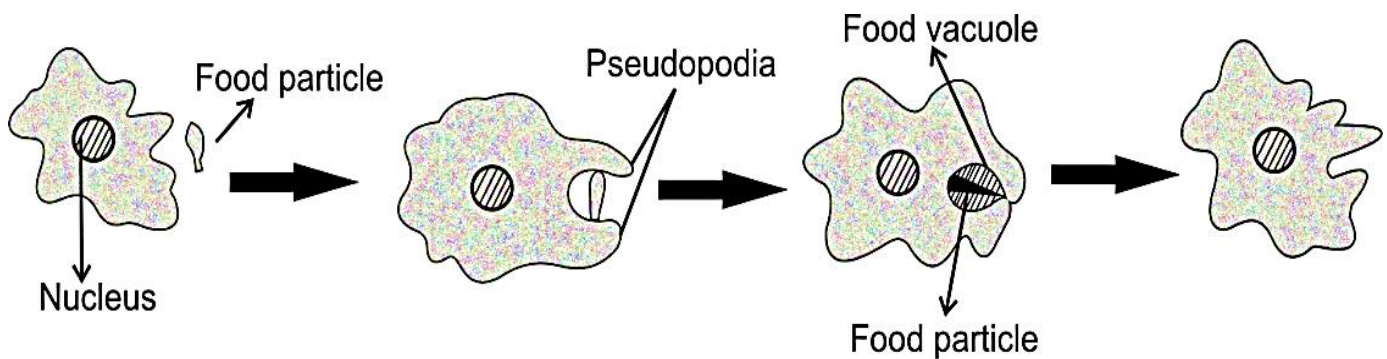
4. What are pseudopodia?

Ans: Finger –like projections which help in capturing the food in amoeba are called pseudopodia.

5. With the help of a labelled diagram, describe the process of nutrition in amoeba.

Ans: Amoeba is a single-celled organism found in pond water. It has a cell membrane, a dense, rounded nucleus and many bubble-like vacuoles. Amoeba constantly changes its shape and position. It pushes out one or more finger like projections, called pseudopodia to capture the food. Amoeba feeds on microscopic organisms. When it senses food, it pushes out pseudopodia around the food particle and engulfs it.

The food becomes trapped in a food vacuole and digested by the digestive juices.



Nutrition by Amoeba

6. What are the steps of nutrition involved in animals and define them.

Ans: There are five steps of nutrition involved in animals.

- a) **Ingestion:** Taking large pieces of food into the body.
- b) **Digestion:** Breaking down the food into simpler form.
- c) **Absorption:** Taking up the soluble products of digestion into the body's cells.
- d) **Assimilation:** Using the absorbed materials.
- e) **Egestion:** Eliminating the undigested food material.