

## Biology - FSC Part 1 Biology English Medium Chapter 12 Preparation

Q1. What is radula?

**Ans 1:** Garden snail feeds by using rasping organ, the radula. Leaves are held by the lips of the snail. The radula moves back and forth over the leaves and its teeth scrape the food.

Q2. What is holozoic nutrition?

**Ans 1:** Mode of animals nutrition is called holozoic nutrition. In this method food is ingested into oral cavity and then digestion takes place intracellularly or inside the digestive system.

Q3. Mention different mode of nutrition in animals.

**Ans 1:** Following are the animal mode of nutrition.

- Parasitic
- Fluid feeders
- Herbivores
- Omnivores
- Carnivores
- Detritivores
- Filter feeders.

Q4. Define digestion?

**Ans 1:** Breakdown of complex organic compounds of food into simpler diffusible molecule by the action of enzymes is called digestion e.g. proteins (meat, fish, eggs) etc into amino acids.

Q5. Write down the effect of nitrogen and potassium deficiency on plants.

**Ans 1:** Nitrogen deficiency in the soil result in the stunted growth of plant and chlorosis particularly in the leaves. Magnesium deficiency also cause chlorosis in plants.

Q6. What is chlorosis? What is its cause?

**Ans 1:** Magnesium and Nitrogen deficiency also cause chlorosis in plants particularly in the leaves because these elements are important part of chlorophyll without them chlorophyll reduced and chlorosis occurs.

Q7. Differentiate between Nutrition and Nutrient.

**Ans 1:** Nutrition : Some of all process involved in the taking an utilization of elements by which growth, repair and maintenance of activities in the organisms are accomplished is called Nutrition.

**Ans 2:** Nutrient : The food or any other substance that supplies the body with element.necessary for the metabolism is called Nutrient

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Q8. Write names of parts of digestive system of cockroach system of cockroach.

**Ans 1:** The digestive system of cockroach is of tubular type. It can be divided into three parts.Foregut ,Midgut,Hindgut  
Name of parts of digestive system of cockroach are  
Mouth,crop,gizzard,rectum,cloaca.

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Q9. What are cnidocytes?

**Ans 1:** A cnidocyte is an explosive cell containing one giant secretary organelle or cbida that defines the phylum cnidaria.Cnidae are used for prey capture and defense from predators.

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Q10. What are insectivorous plants?How they get their carbohydrates?

**Ans 1:** These are the plants which capture the insects and digest them to full fill their sulphur and nitrogen deficiencies are called insectivorous plants.They are autotrophic they do photosynthesis to ful fill their carbohydrate requirements.

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