

CLASS –X

Biology

Date:-28/04/2020

On the basis of online classes (Subject:-Biology Date:-27/04/2020)give the answer of the following questions.

- Write a few lines about the alimentary canal.
- What is *Peristalsis*?
- Write down about the position and shape of the *stomach*.
- What is *Palate*?

Tally your answer here:-

Questions given on 27/04/2020.

1. **AUTOTROPHIC Nutrition:-**Autotrophic nutrition is a process in which the organism produces their food from the simple inorganic materials such as water, carbon dioxide and mineral salts in the presence of sunlight. All the green plants have an autotrophic mode of nutrition.
 - **Types of AUTOTROPHIC Nutrition:-** There are mainly two types of AUTOTROPHIC Nutrition. There are two types of autotrophs: photoautotrophs and chemoautotrophs. Photoautotrophs get their energy from sunlight and convert it into usable energy (sugar). This process is called photosynthesis. During the process of photosynthesis, not only is sunlight turned into energy, but carbon dioxide is taken from the air and oxygen is released in its place. Because animals depend on this oxygen to breathe.
 - Chemoautotrophs get their energy from chemicals, mainly inorganic substances such as hydrogen sulfide and ammonia. Inorganic substances are those that are not from biological sources, and they do not contain carbon as a main element. Chemoautotrophs are able to survive in very harsh environmental conditions because the only source of carbon they need is carbon dioxide.
2. **HETEROTROPHIC Nutrition:-**Heterotrophic nutrition is a type of nutrition in which organisms depend upon other organisms for food to survive.
 - **Types of HETEROTROPHIC Nutrition:-**Based on the source of nutrition, heterotrophic mode of nutrition can be divided as follows:
 - **Saprophytic nutrition:** In this mode of nutrition, organisms obtain nutrients from dead and decaying organic matter. These organisms are called Saprophytes. Example: Yeast
 - **Parasitic nutrition:** In this mode, the organism lives inside or outside the body of another organism. It takes nutrition from the other organism without killing it. Such organisms are called parasites. Example: Ascaris (roundworm) are parasites on the human body.

- **Holozoic nutrition: Organisms which show holozoic nutrition feed on complex matter. This matter is digested and nutrients are absorbed. Example: Human beings.**

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