

## KPK Class 11 Biology Conceptual Questions - Chapter 11 Digestion

Answer:

Physical digestion refers to the mechanical breakdown of food into smaller pieces without altering its chemical structure. It occurs through actions like chewing (in the mouth) and churning (in the stomach).

2. Name the cells that secrete mucus. What are the functions of mucus?

Answer:

The cells that secrete mucus are called 'goblet cells'.

1. What do you mean by physical digestion?

Functions of mucus:

- Protects the lining of the digestive tract from digestive enzymes and acids.
- Lubricates food to facilitate its smooth movement through the digestive system. 22
- 3. Name the different parts of the large intestine of humans in their natural sequence.

Answer:

The parts of the large intestine in their natural sequence are:

- 1. Cecum
- 2. Colon (Ascending, Transverse, Descending, Sigmoid)
- 3. Rectum
- 4. Anus

These parts work together to absorb water and expel waste from the body. 222

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4. What is the advantage of emulsification of fats by bile juice?

## Answer:

Emulsification of fats by bile juice breaks down large fat droplets into smaller ones, increasing the surface area for digestive enzymes like lipase to act upon. This process aids in the efficient digestion and absorption of fats.

5. Name the largest gland of the human body and where is it located?

Answer:

The largest gland in the human body is the 'liver'.

Location: It is located in the upper right side of the abdomen, just below the diaphragm. It

6. What are the main symptoms of dyspepsia?

Answer:

The main symptoms of dyspepsia (indigestion) include:

- Bloating
- Nausea
- Heartburn
- Stomach pain

These symptoms occur after eating and can cause discomfort. 22

7. What measures are to be adopted for the diagnosis of anorexia nervosa?

Answer:

To diagnose anorexia nervosa, the following measures are taken:

- Medical evaluation to check for weight loss, malnutrition, and physical symptoms.
- Psychological assessment to evaluate eating behaviors, body image, and mental health.
- Blood tests and imaging to rule out other conditions and assess organ function. 22

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