

Biology Digestive System Notes

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Digestion is the process by which complex solid food is broken down into simpler compound that can permeate the cell wall to be absorbed, by *enzymes*.

1 Parts of Nutrition

1. Ingestion
2. Digestion
3. Absorption
4. Assimilation
5. Defecation/ejection

2 Differences between ejection and excretion

- Ejection is the process by which undigested food is removed from the body.
- Excretion is the process by which *metabolic waste* is removed from the body.

3 Enzymes

They are known as bio catalysts

Properties:

- They remain unchanged at the end of a chemical reaction, thus they can be reused.
- They speed up a reaction.
- They only work on specific substances called the substrate.
- They only work at specific temperatures, viz- 35-40 C
- Furthermore, They will be destroyed at higher temperatures

4 Digestive System

The digestive system is an organ system, meaning it is composed of many organs. It consists of two sub organ systems:

1. Alimentary Canal
2. Digestive glands