- Tongue:
- 1. It is a muscular tissue.
- 2. Functions
 - a) Tastes food
 - b) Helps swallow food
 - c) Helps mix food with saliva
 - d) Pushes the food under the teeth to crush and grind
- After the food is decomposed into more simpler units it goes to the stomach through the oesophagus.
- Stomach:
- 1. Large organ which expands as soon as food enters it.
- 2. The muscular wall of the stomach helps mix the food thoroughly with more digestive juices.
- Gastric glands are present in the stomach and release:
 - 1. HCl- creates an acidic medium.
 - 2. Mucus- protects the inner lining of the stomach from the acid.
 - 3. Pepsin- digests proteins (peptones and peptides)
- A sphincter muscle then releases the food in small amounts to the small intestine.
- Small intestine:
- 1. It is the longest part of the alimentary canal.
- 2. It is fitted into a compact space due to intensive coiling.
- 3. The length of the small intestine varies. Herbivores have a longer small intestine because they eat grass and allow the equipse to be digested. Carnivores have a shorter small intesting sine at is easier to digest.

 4. Site of complete digestion of earlier virates, precions and fats.

 The food coming from the stomach is acidis and has to be made alkaline.

 Bile juice makes the food alkaling by acting on fats.

- a e present in the marine as large gobules, thus it is difficult for the enzymes to act on them. Therefore bile salts break down the big gobules into smaller ones.
- Pancreatic Juice:
- 1. Secreted by pancres.
- 2. Contains enzymes like tripsin(digests proteins) and lipase(breaks down emulsified fat).
- Intestinal Juice:
- 1. Secreted by the walls of the small intestine.
- 2. The enzymes in it covert:
- a) Proteins into amino acids.
- b) Complex carboydrates into glucose
- c) Fats into fatty acids and glycerol

- Villi:
- 1. Present in the inner lining of the smaller intestine.
- 2. They are finger like projections.
- 3. Increase the surface area for absorbtion.
- 4. They are richly supplied blood vessels and carry the absorbed food to each and evry cell of the body.
- The absorbed food is then used for obtaining energy, building up new tissues and the repair of old tissues.