

Chapter 16

DIGESTIVE SYSTEM

DIGESTION OF FOOD:

Buccal Cavity:

- 1) Mastication of food
- 2) Facilitation of swallowing

- In Buccal cavity food material mix with salivary juice - **Bolus**
- Teeth and tongue with help of saliva from - **Bolus**
- Bolus pass through pharynx and oesophagus - **Deglutition**
- Bolus reaches the stomach through oesophagus - **Peristalsis**
- Salivary Amylose - 30% starch to maltose.
- Lysozyme - Anti bacterial agent prevent infection.

STOMACH:

- Protein partially digested chemically.
- Gastric glands - Gastric juice - Proteases and Lipase
- Chemically digestion of carbohydrates are not possible
- Help of HCL proenzyme - Pepsinogen and Prorennin
- Bolus food mix with Gastric juice and become acidic - **chyme**
- Chyme - Partially digested food which is acidic form
- Pro rennin - Found in Infants gastric juice.
- It helps the coagulation of milk protein casein.

Mechanism: