

MODULE 9 L03

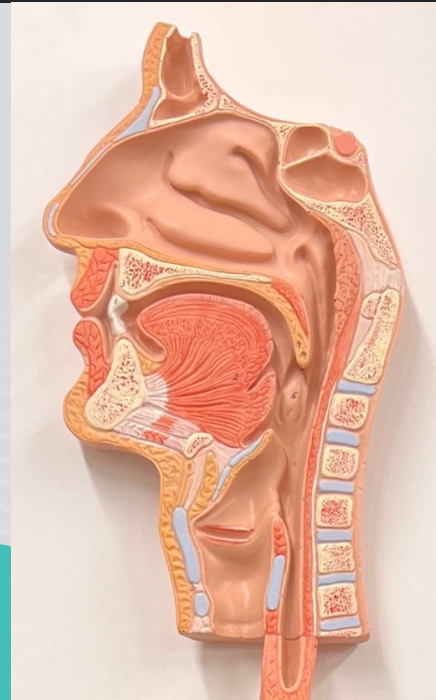
Digestive Functions of Oral Cavity

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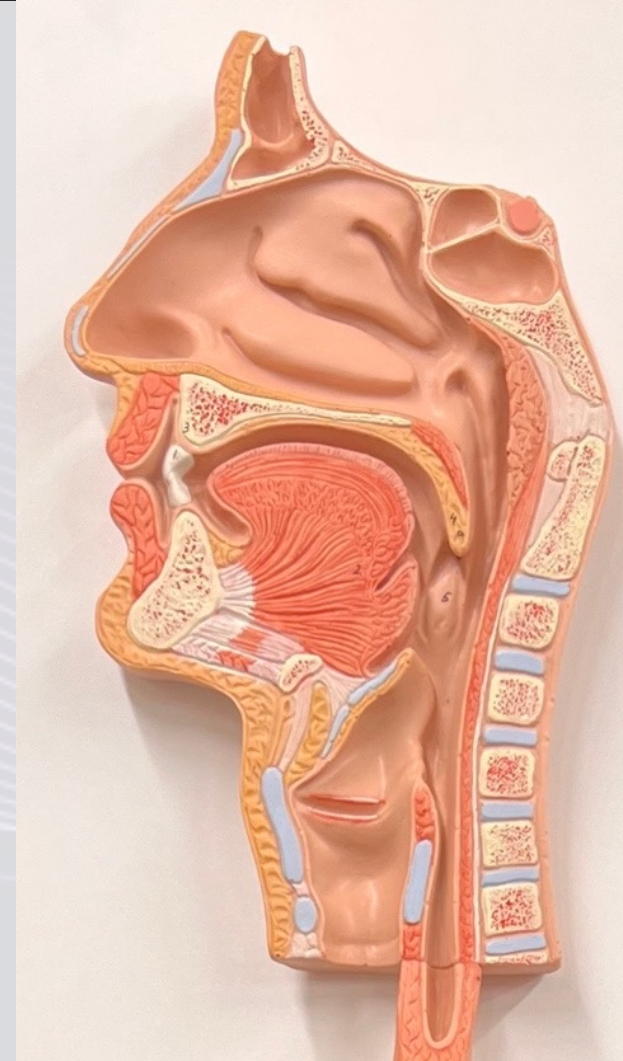
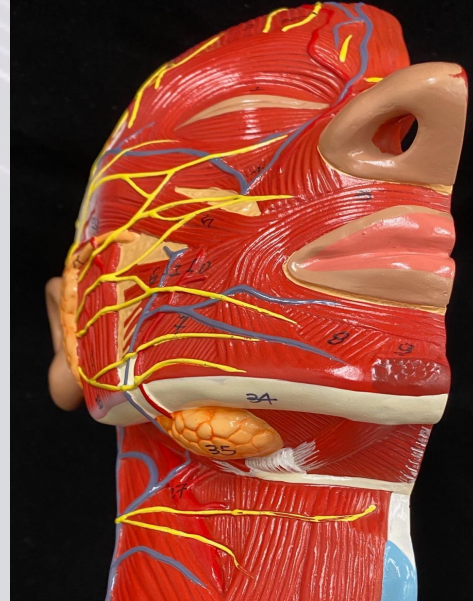
3) Oral Cavity

- Major functions:
 - ❖ Food ingestion
 - ❖ Chewing and mixing of food
 - ❖ Begins chemical breakdown of carbohydrates
 - ❖ Moves food into the pharynx
 - ❖ Begins breakdown of lipids via lingual lipase
- Other functions:
 - ❖ Moistens and dissolves food
 - ❖ Cleans and lubricates teeth and oral cavity
 - ❖ Antimicrobial activity



Oral Cavity Accessory Organs

- Lips and cheeks
- Teeth
- Tongue's extrinsic muscles
- Tongue's intrinsic muscles
- Taste buds
- Lingual glands
- Salivary glands



Oral Cavity Digestive Properties

- Lingual lipase
 - ❖ Secreted by lingual glands
 - ❖ Activated first in the stomach
 - ❖ Breaks down triglycerides

- Saliva

- ❖ Water – 99.4%
- ❖ Ions
- ❖ Glycoproteins
- ❖ Enzymes
- ❖ Growth factors
- ❖ Waste products

0.6%



- Salivary amylase
- Bicarbonate ions
- Phosphate ions
- Mucus
- IgA