

Oral Digestion Overview & Saliva Basics – Video Note Templates

Oral Digestion: Definitions

Oral digestion: _____

Mouth: _____

** Also known as*

Oral cavity: _____

** Also known as*

Mastication: _____

**Also known as*

Oral processing: _____

**Also known as*

Bolus: _____

Deglutition: _____

** Also known as*

Expectorate: _____

Xerostomia: _____

Enamel: _____

Dental caries: _____

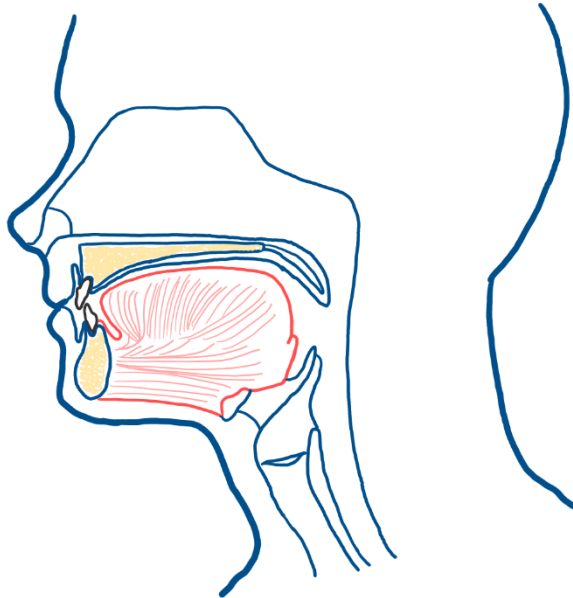
** Also known as*

Cavity: _____

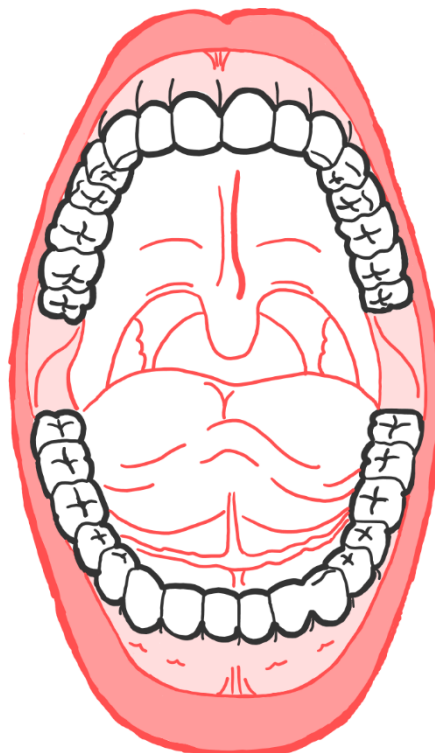
** Also known as*

Oral Anatomy

Lateral view of the oral cavity



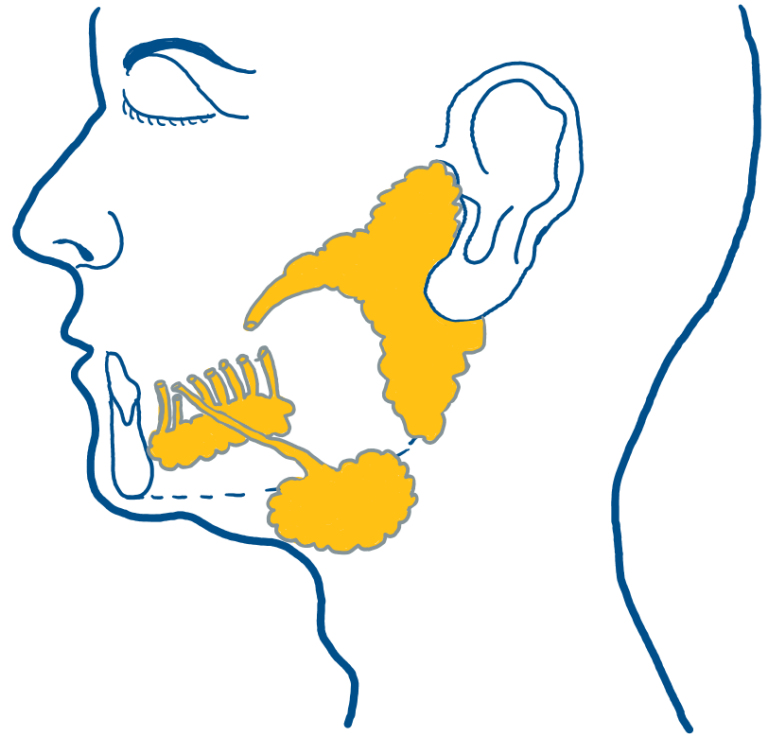
Anterior view of the oral cavity



Saliva Secretion

Daily saliva secretion: _____

Most of saliva secretion is from three key glands:

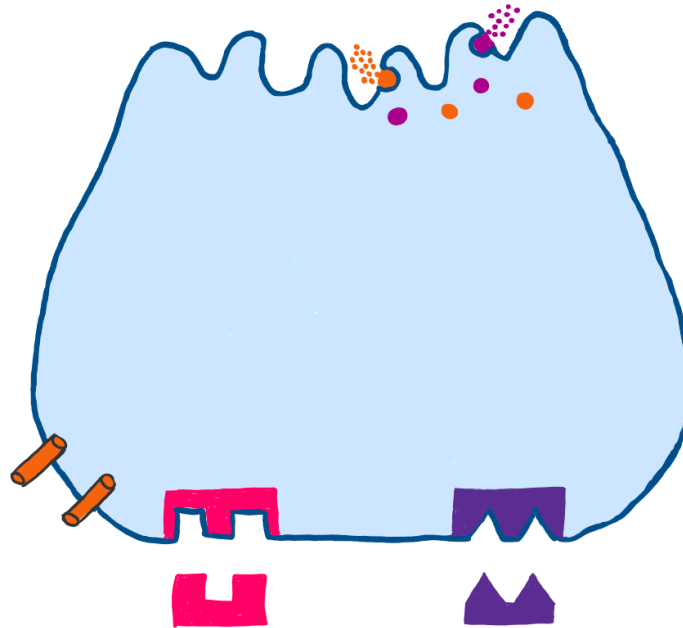


Gland	Type of Secretions	Percent of total saliva volume secreted (%)		
		<i>Unstimulated</i>	<i>Stimulated</i>	<i>Sleep</i>
Parotid				
Submandibular				
Sublingual*				

* *The contribution of other minor salivary glands such as the labial, palatine, lingual, and buccal are included with the sublingual gland.**

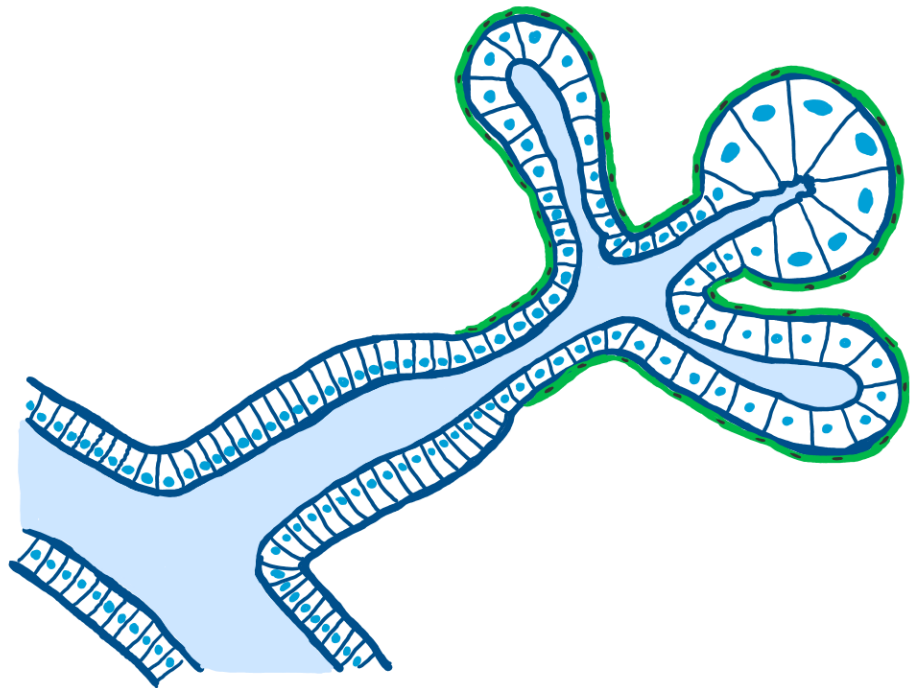
Saliva Secretion – Microscale

Overview of cellular events that occur to produce products of saliva secretion:



Note that the specific secretions vary based on the type of cell

Example structure of a mixed salivary gland with serous and mucous acini:



**Saliva composition* _____

Saliva Function

Saliva is secreted in the oral cavity and serves several functions:

- _____
- Act as an _____
- Facilitation of _____
- Prevents _____
- Aid in _____
- Facilitation of _____
- Begin _____
- Buffers _____

These properties are due to the unique components of saliva

Saliva Component	Function
Water	
Bicarbonate	
Mucin	
Amylase	
Lysozyme, Lactoferrin	
Salts (NaCl, KCl)	
Calcium, Phosphate	

Of these components, saliva is _____ water and only _____ salts and other components

Salts (NaCl, KCl) are generally present in low concentrations, ~ _____ mM

Protein concentration of saliva is ~ _____ mg/dL (or ~ _____ g/L)

Saliva Properties

Saliva has a _____

The viscosity of saliva is _____

Saliva surface tension is _____