

Biology 202: The Gastrointestinal System & Digestion

1) Label the components of the digestive system.

Descending colon

Mouth

Anal canal

Jejunum

Liver

Ascending colon

Large intestine

Cecum

Esophagus

Anus

Pharynx

Transverse colon

Spleen

Submandibular gland

Duodenum

Sigmoid colon

Gallbladder

Parotid gland

Pancreas

Salivary glands

Ileum

Rectum

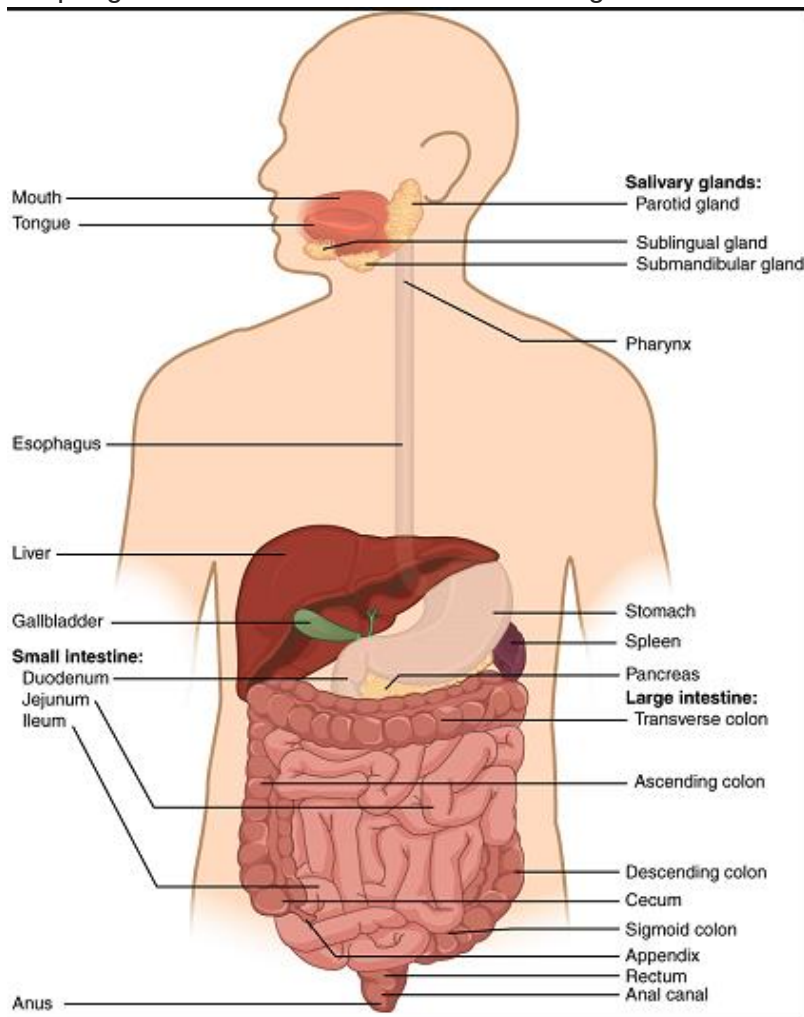
Tongue

Appendix

Small intestine

Stomach

Sublingual gland



Source Lesson: Digestive System: Functions & Processes

2) Label the image below.

Serosa

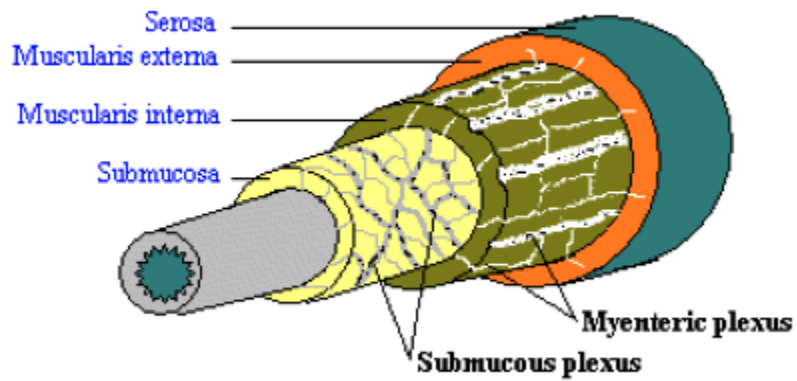
Submucosa

Submucous plexus

Myenteric plexus

Muscularis externa

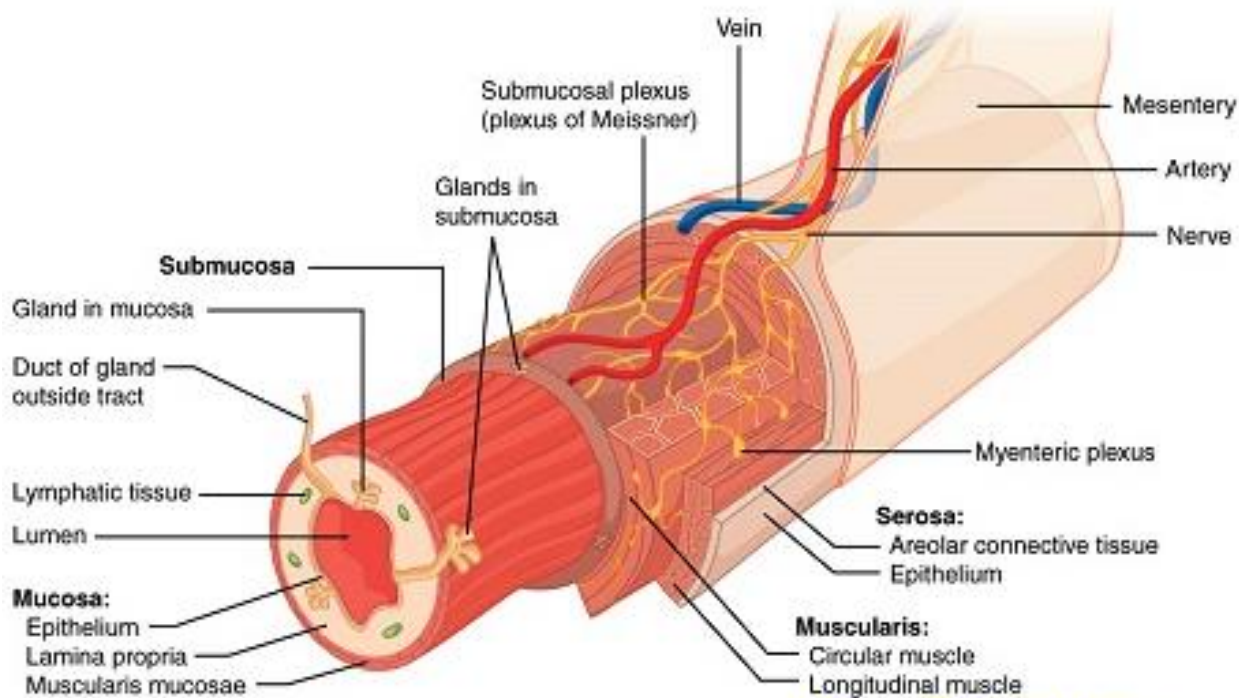
Muscular interna



Source Lesson: Role of the Enteric Nervous System in Digestion

3) Label the structures of the alimentary canal. Some terms may be used more than once.

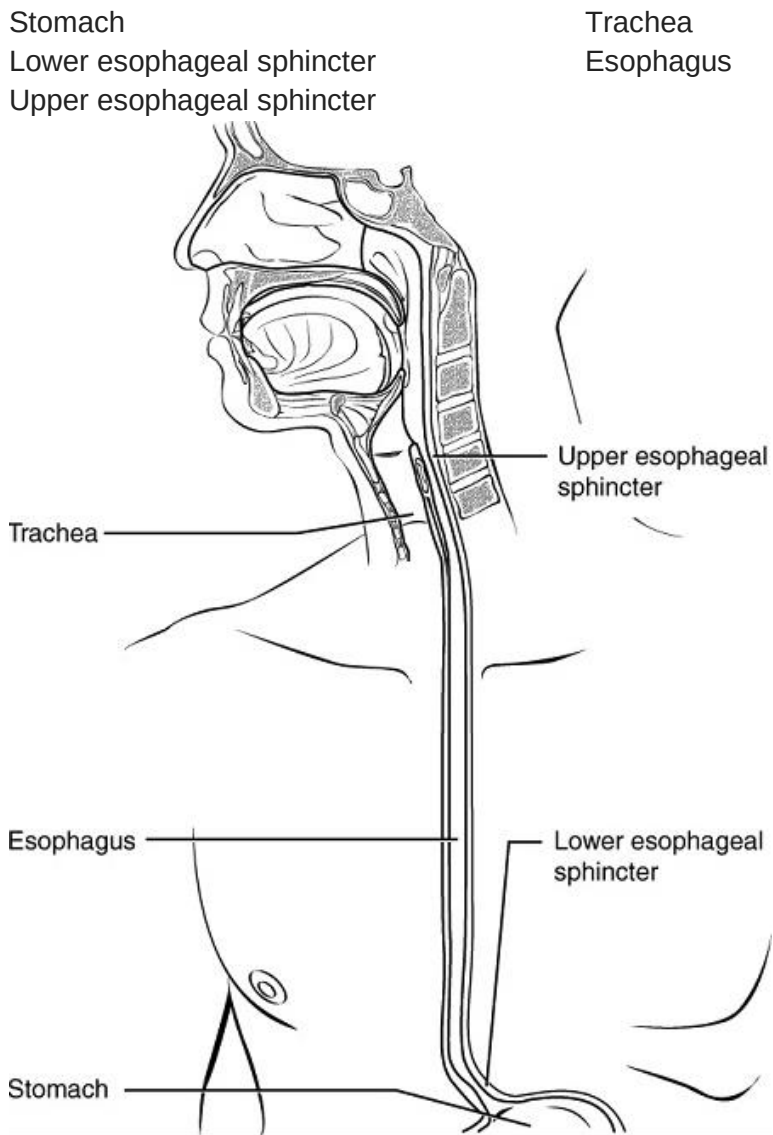
Vein	Mesentery	Mucosa
Submucosal plexus	Epithelium	Gland in mucosa
Nerve	Muscularis	Serosa
Lymphatic tissue	Muscularis mucosae	Glands in submucosa
Lamina propria	Submucosa	Duct of gland outside tract
Gland in mucosa	Lumen	Artery
Longitudinal muscle	Muscularis	Areolar connective tissue
Circular muscle	Myenteric plexus	



Layers of the alimentary canal. [CC](#) by [OpenStax](#)

Source Lesson: The Upper Alimentary Canal: Key Structures, Digestive Processes & Food Propulsion

4) Label the image below.



Source Lesson: The Upper Alimentary Canal: Key Structures, Digestive Processes & Food Propulsion

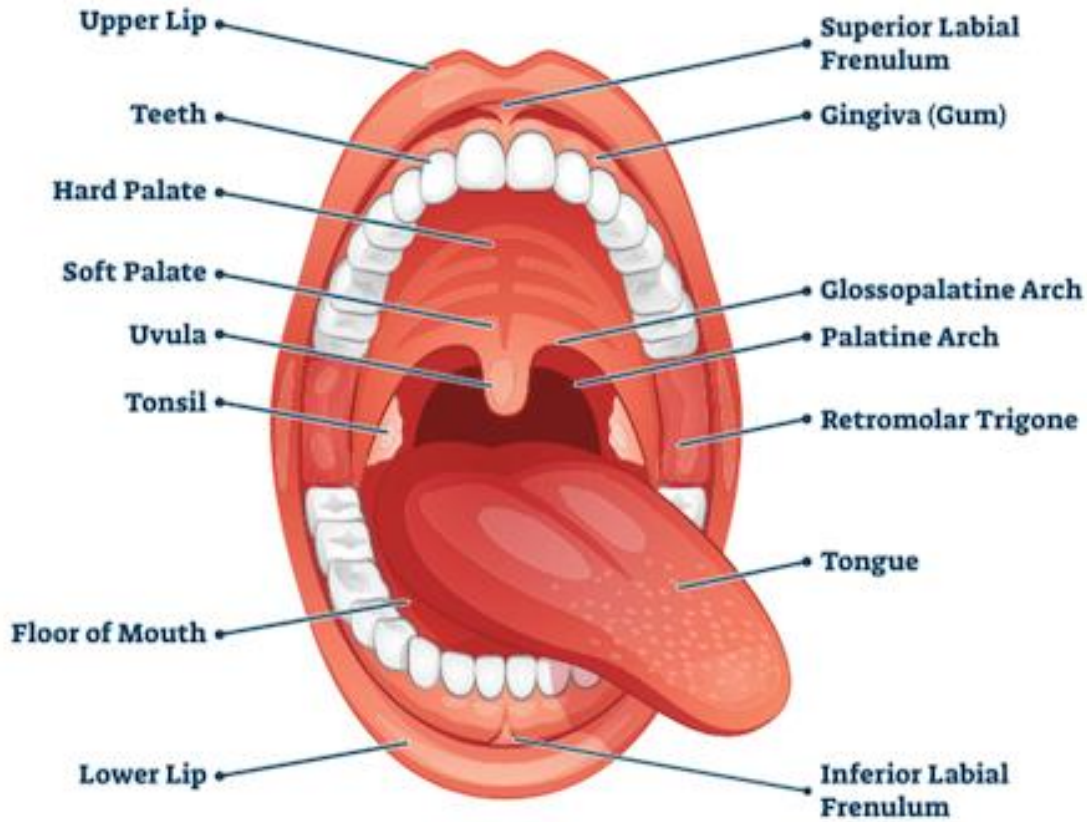
5) Label the anatomy of the oral cavity.

Upper lip
Floor of mouth
Lower lip
Palatine arch
Glossopalatine arch

Tonsil
Tongue
Teeth
Hard palate
Soft palate

Inferior labial frenulum
Superior labial frenulum
Retromolar trigone
Uvula
Gingiva

ORAL CAVITY



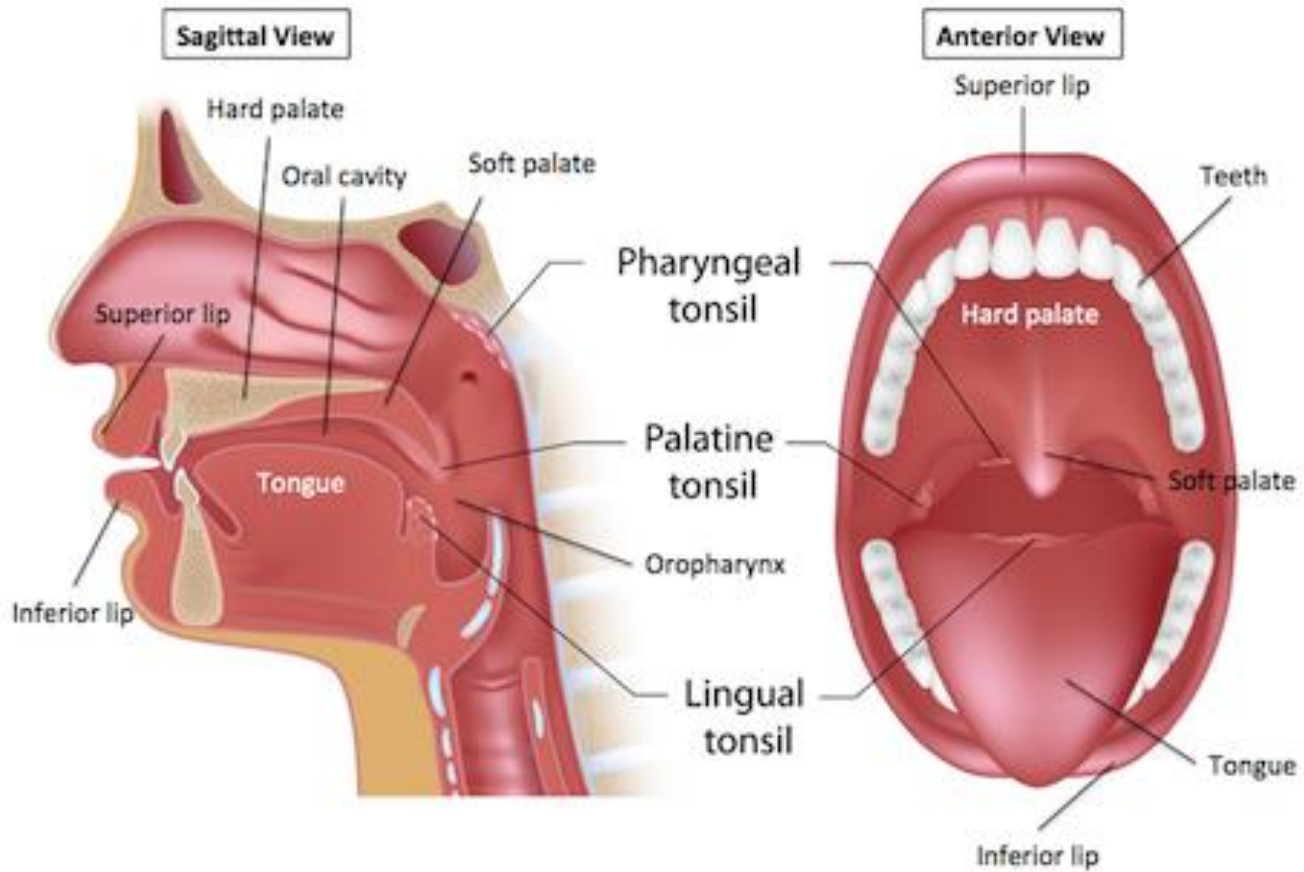
Source Lesson: The Oral Cavity: Structures & Functions

6) Label the structures of the oral cavity. Some terms may be used more than once.

Hard palate
Pharyngeal tonsil
Superior lip
Tongue

Oropharynx
Oral cavity
Teeth
Inferior lip

Soft palate
Lingual tonsil
Palatine tonsil



Source Lesson: The Oral Cavity: Structures & Functions

7) Label the image below. First, select a term from Word Bank A to label the types of papillae (blue boxes). Then, label the remainder of the boxes with the terms from Word Bank B.

Word Bank A:

Filiform papillae

Fungiform papillae

Vallate papillae

Foliate papillae

Word Bank B:

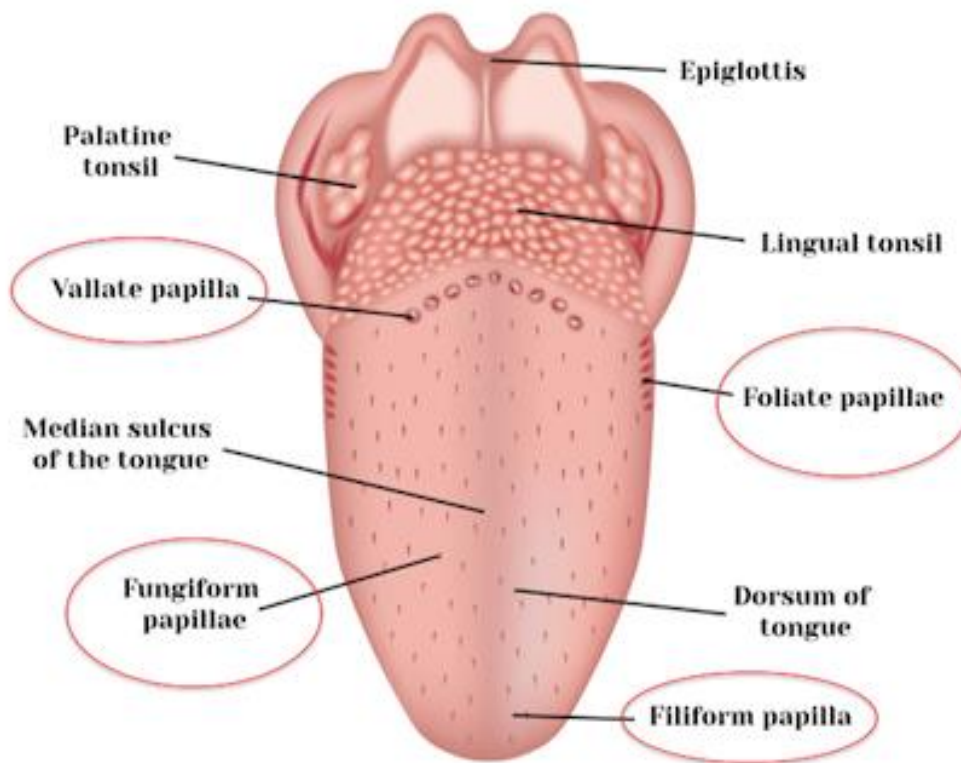
Median sulcus of the tongue

Palatine tonsil

Lingual tonsil

Epiglottis

Dorsum of tongue



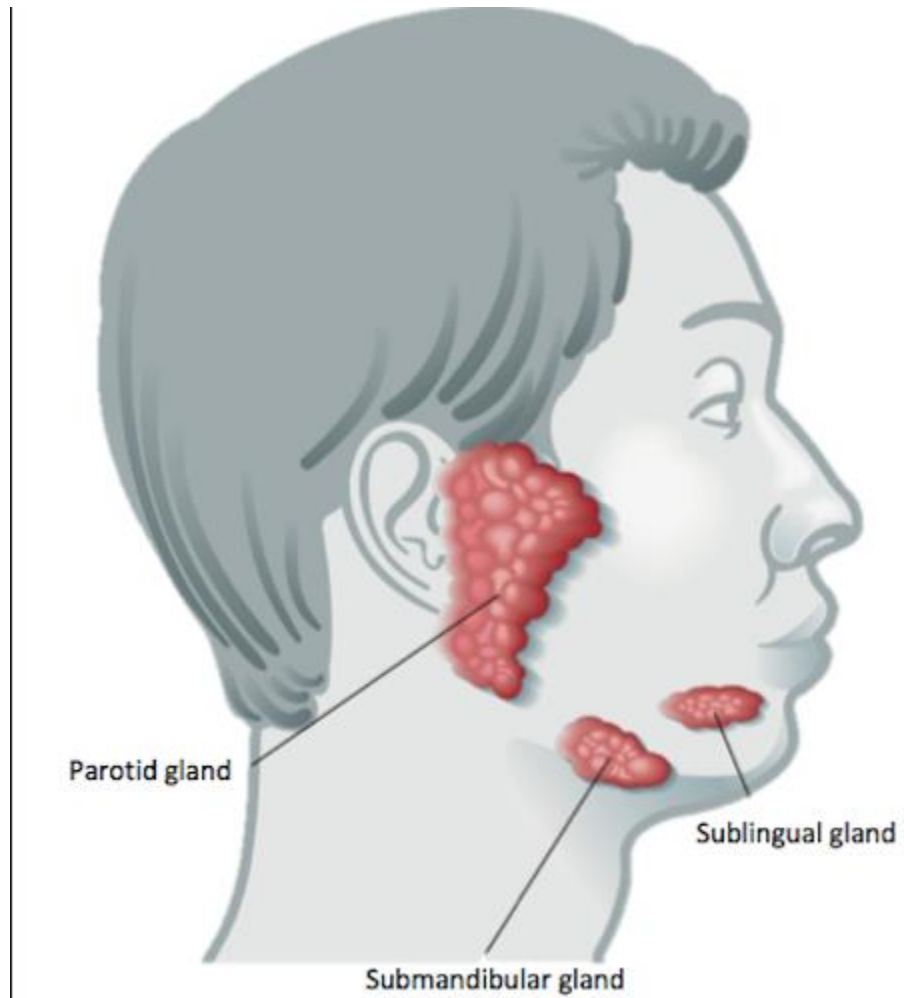
Source Lesson: The Oral Cavity: Structures & Functions

8) Label the three salivary glands.

Submandibular gland

Sublingual gland

Parotid gland



Source Lesson: The Oral Cavity: Structures & Functions

9) Label the structures of the tooth.

Cementum

Dentin

Nerves & blood vessels

Gingiva

Enamel

Alveolar bone

Neck

Crown

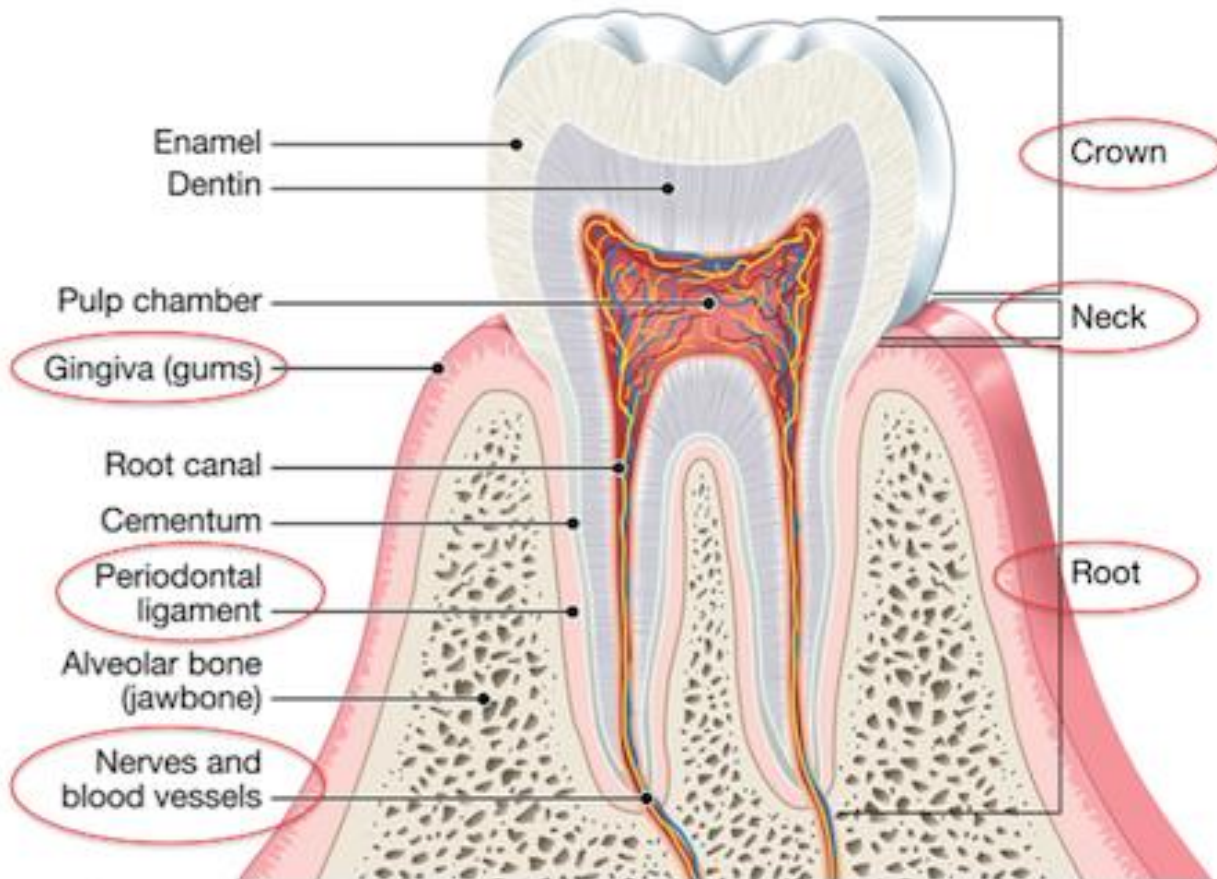
Periodontal ligament

Root

Pulp chamber

Root canal

Tooth anatomy

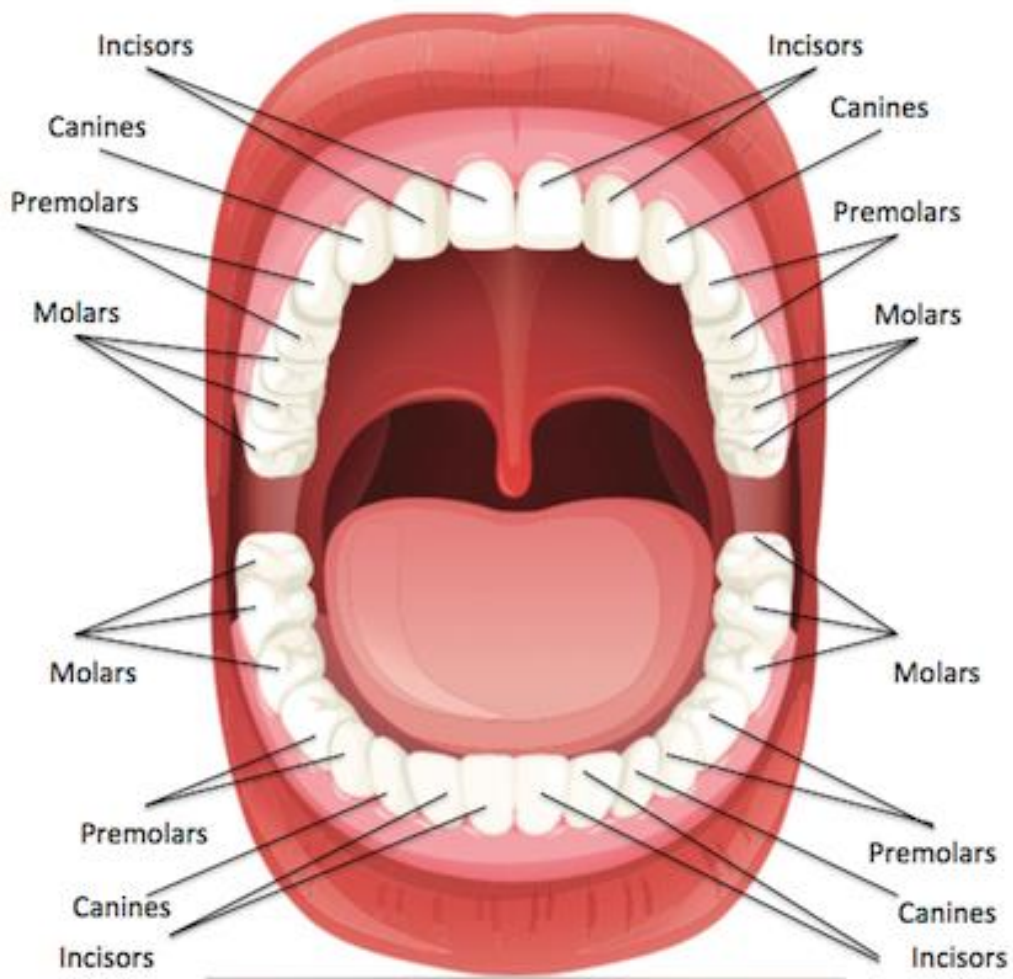


Source Lesson: The Oral Cavity: Structures & Functions

10) Label the categories of teeth. The terms will be used more than once.

Molars
Incisors

Canines
Premolars

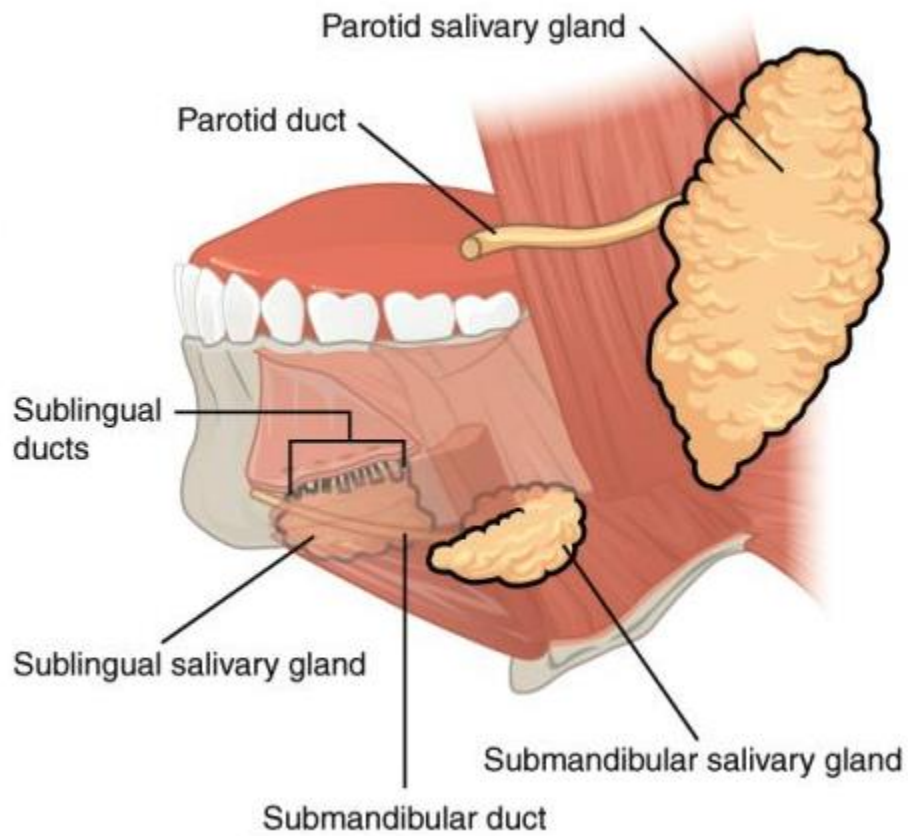


Source Lesson: The Oral Cavity: Structures & Functions

11) Label the image below.

Sublingual salivary gland
Parotid duct
Submandibular salivary gland

Parotid salivary gland
Submandibular duct
Sublingual ducts



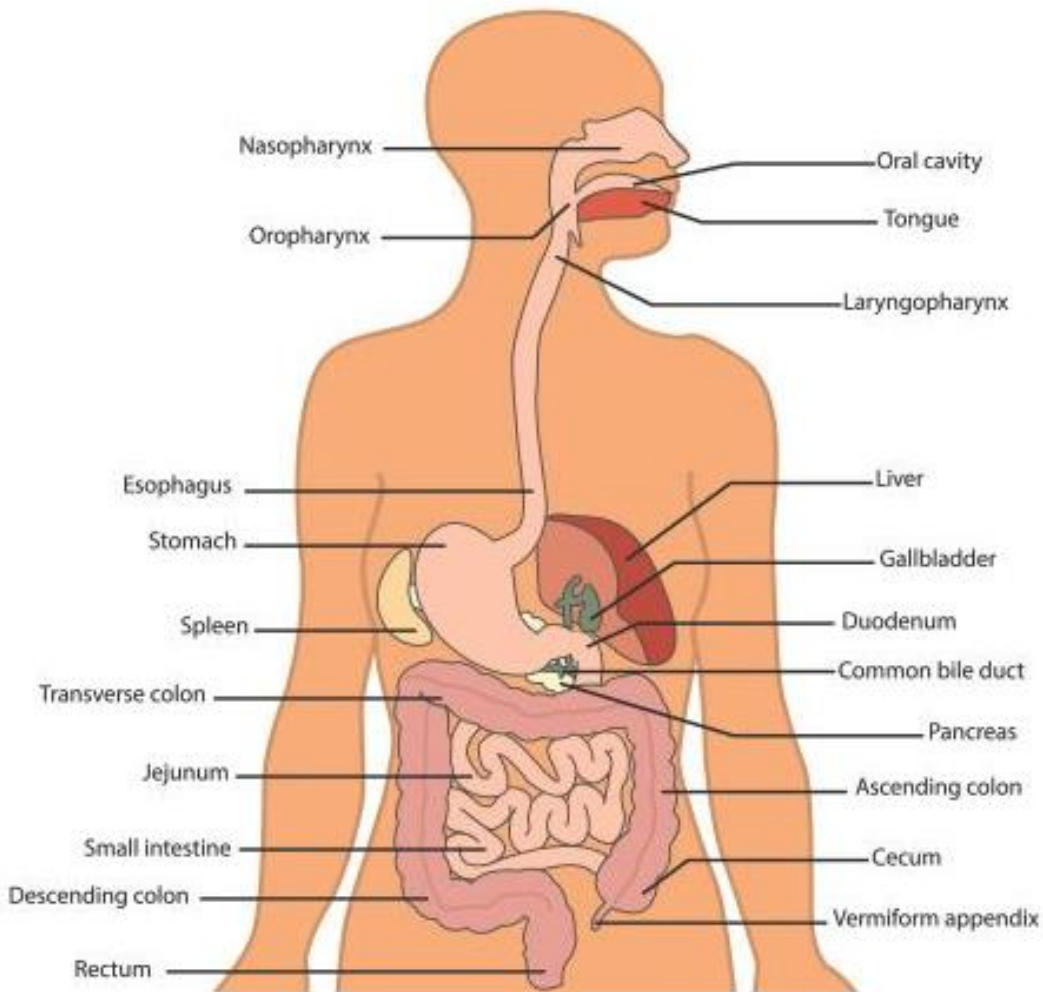
Source Lesson: The Ingestion Process: Saliva, Mastication & Swallowing

12) Label the diagram below.

Jejunum
Oral cavity
Descending colon
Duodenum
Stomach
Liver
Cecum

Nasopharynx
Oropharynx
Esophagus
Transverse colon
Laryngopharynx
Spleen
Common bile duct

Rectum
Small intestine
Tongue
Pancreas
Vermiform appendix
Gallbladder
Ascending colon



Source Lesson: The Stomach: Regions, Histology & Role in Ingestion

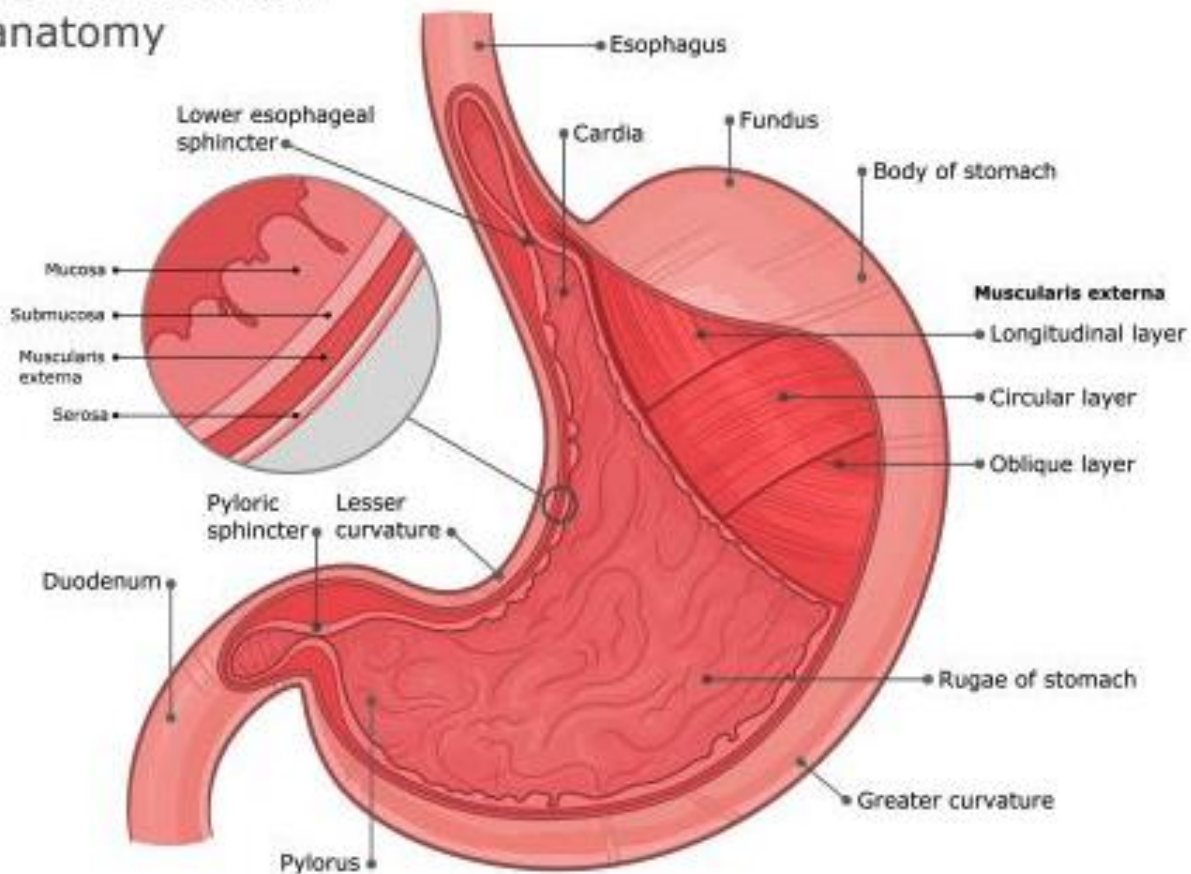
13) Label the different regions and layers of the stomach.

Lower esophageal sphincter
 Cardia
 Muscularis externa
 Body of stomach
 Muscularis externa
 Greater curvature
 Pylorus

Esophagus
 Submucosa
 Circular layer
 Oblique layer
 Pyloric sphincter
 Serosa

Mucosa
 Longitudinal layer
 Fundus
 Lesser curvature
 Rugae of stomach
 Duodenum

Human stomach anatomy



Source Lesson: The Stomach: Regions, Histology & Role in Ingestion

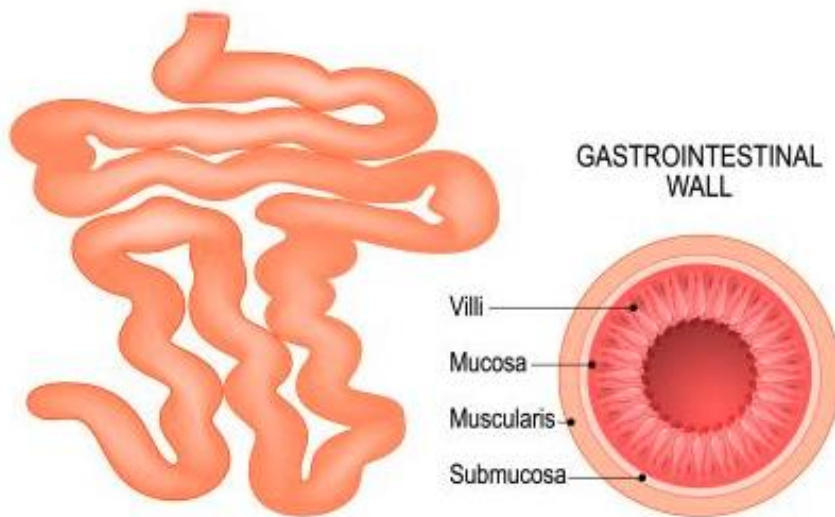
14) Label the layers of the small intestine.

Submucosa

Villi

Muscularis

Mucosa



Source Lesson: The Small Intestine: Regions, Histology & Food Propulsion

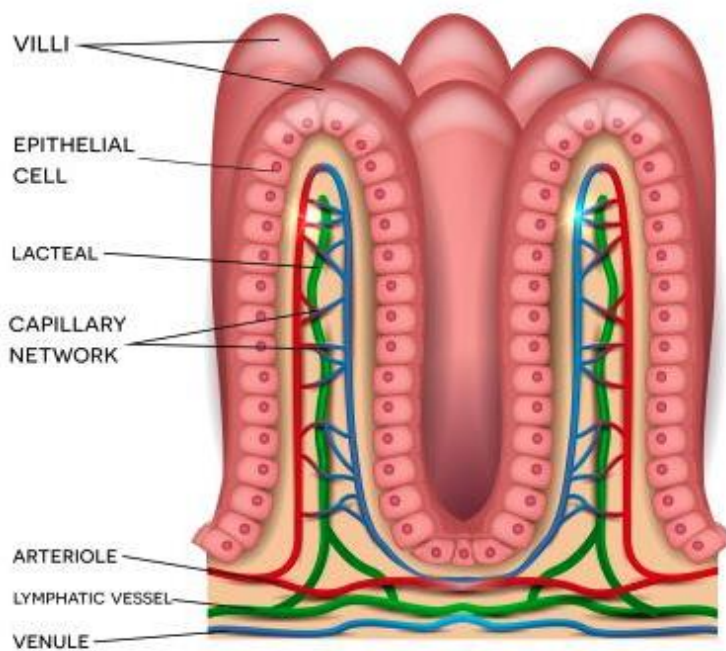
15) Label the contents of the villi.

Lacteal
Epithelial cell

Villi
Venule

Capillary network
Arteriole

Lymphatic vessel



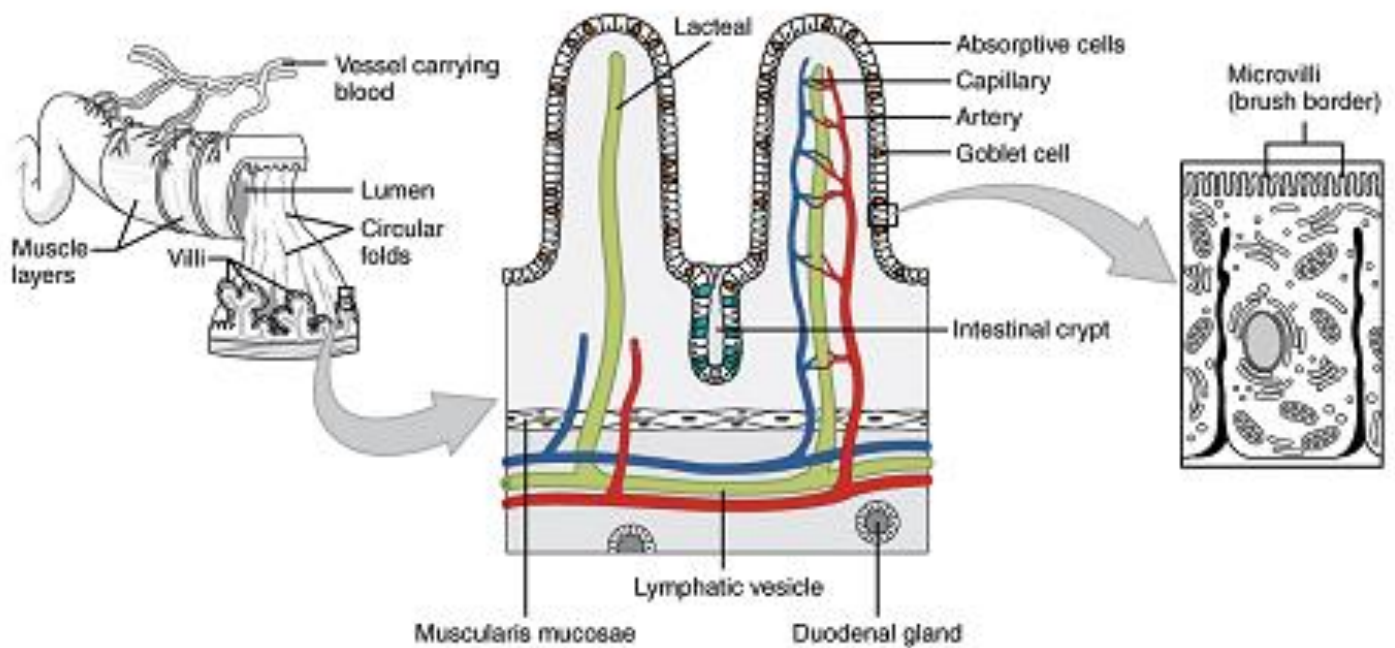
Source Lesson: The Small Intestine: Regions, Histology & Food Propulsion

16) Label the image below.

Muscle layers
Villi
Capillary
Vessel carrying blood
Duodenal gland

Muscularis mucosae
Absorptive cells
Intestinal crypt
Artery
Lacteal

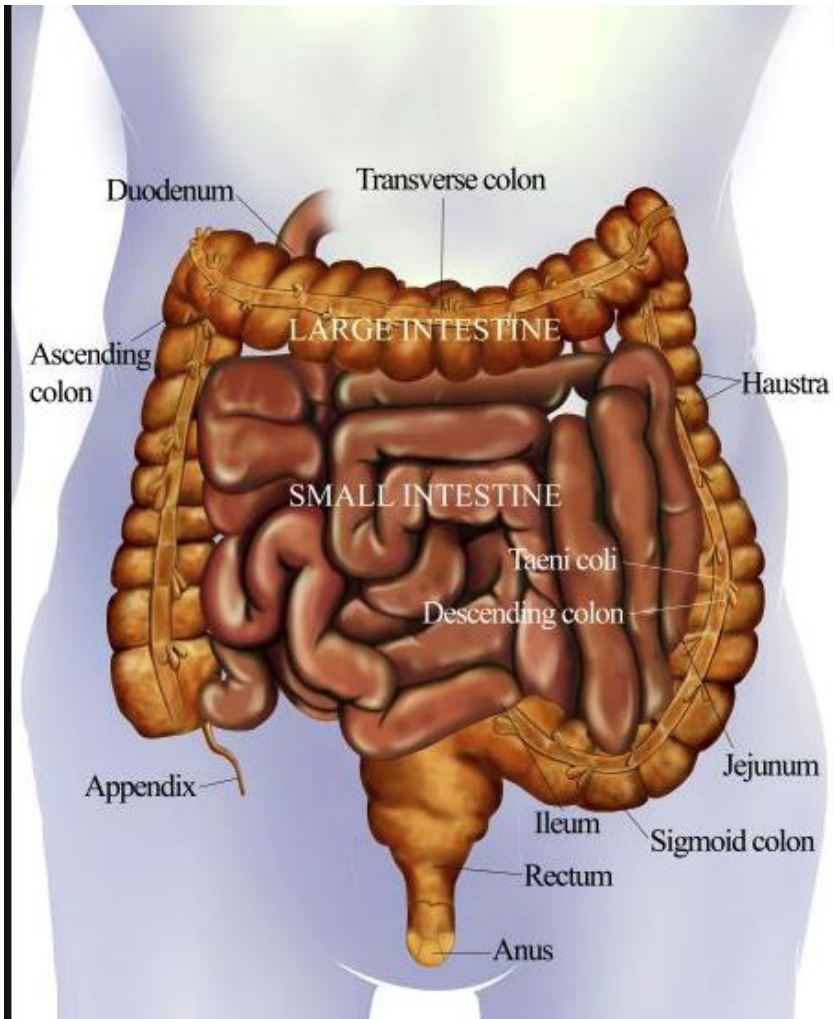
Goblet cell
Microvilli
Circular folds
Lymphatic vesicle



Source Lesson: Nutrient Absorption by the Small Intestine & Lymphatic System

17) Label the image below.

Duodenum	Ascending colon	Small intestine
Rectum	Haustra	Sigmoid colon
Descending colon	Transverse colon	Taenia coli
Large intestine	Appendix	Jejunum
Ileum	Anus	



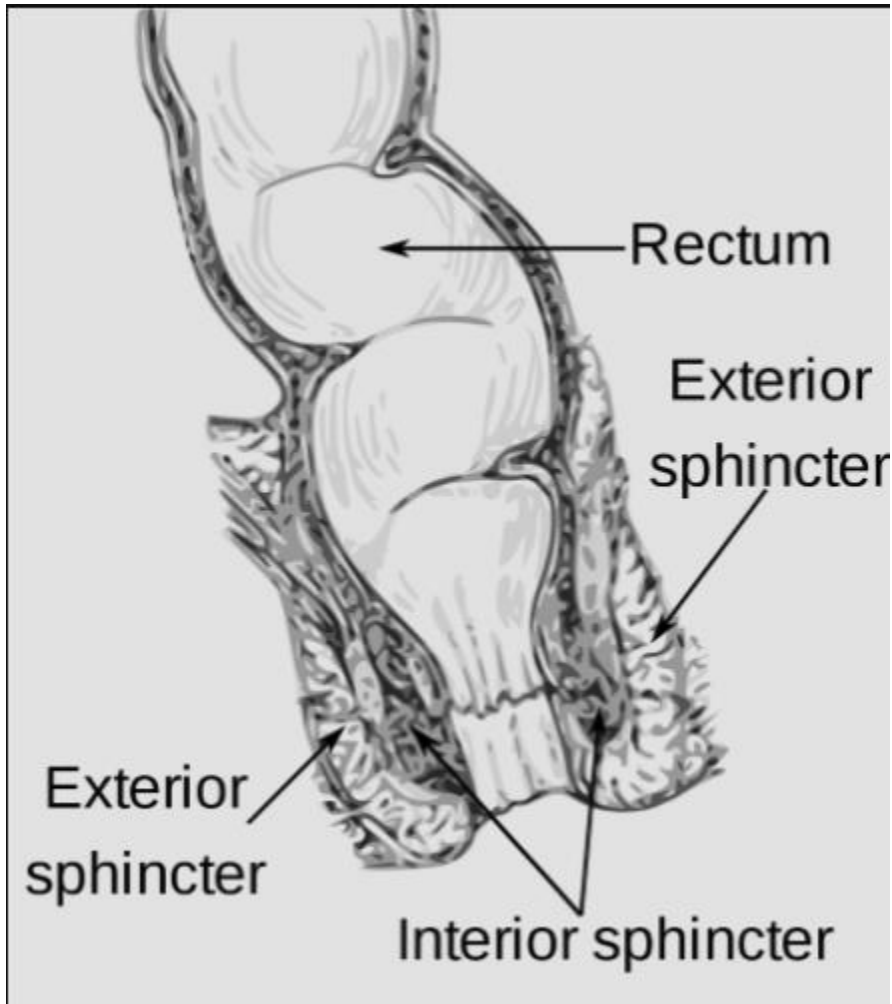
Source Lesson: The Large Intestine & Colon: Fecal Formation & Defecation

18) Label the image below. Some terms may be used more than once

Interior sphincter

Rectum

Exterior sphincter



Source Lesson: The Large Intestine & Colon: Fecal Formation & Defecation