

Lab Practical 6

Review Pictures

Respiratory and Digestive Systems



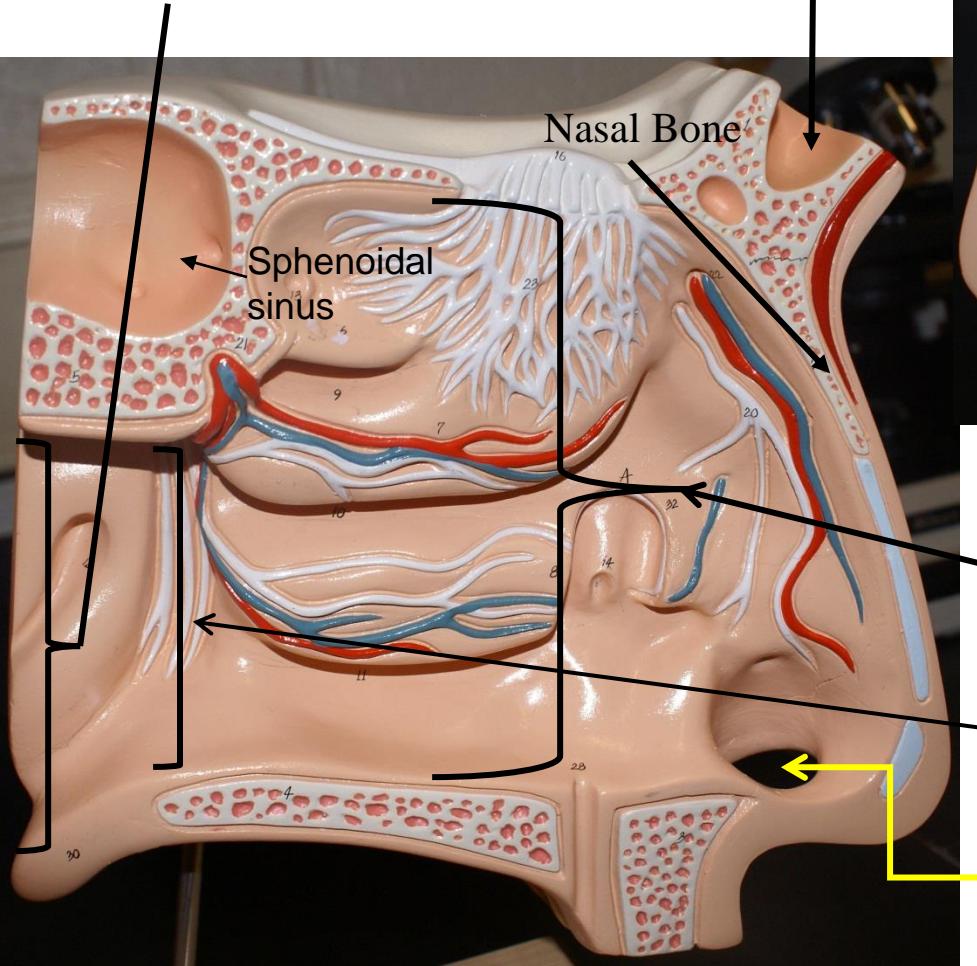
Chapters Reviewed

Respiratory System

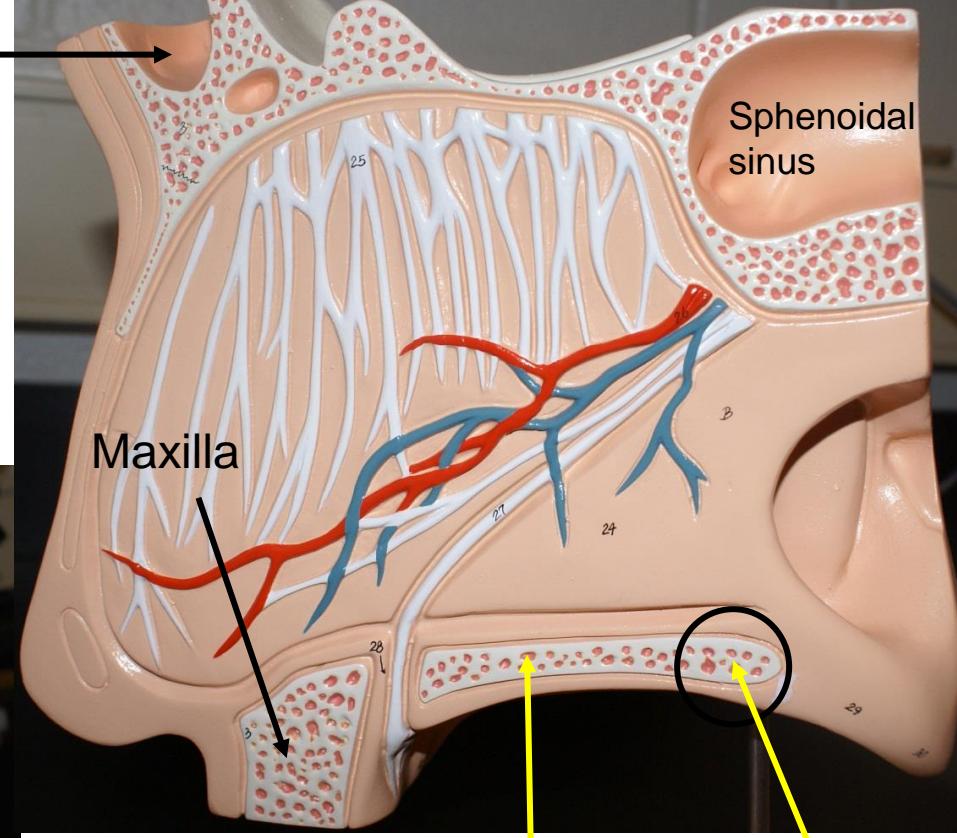
Digestive System

- Study the pictures of the labeled models and tissues as part of your online lab experience. If you are face-to-face, remember that these models and slides will be used for the lab exam.
- Be familiar with these pictures and each label. These pictures are used for your lab exam if you are taking the online course.
- Review Dr. Gannon's instructional videos posted in the lab e-book
- Remember to use the zoom in or zoom out if you need to increase or decrease the size of the image.

Nasopharynx begins
after Internal Nares



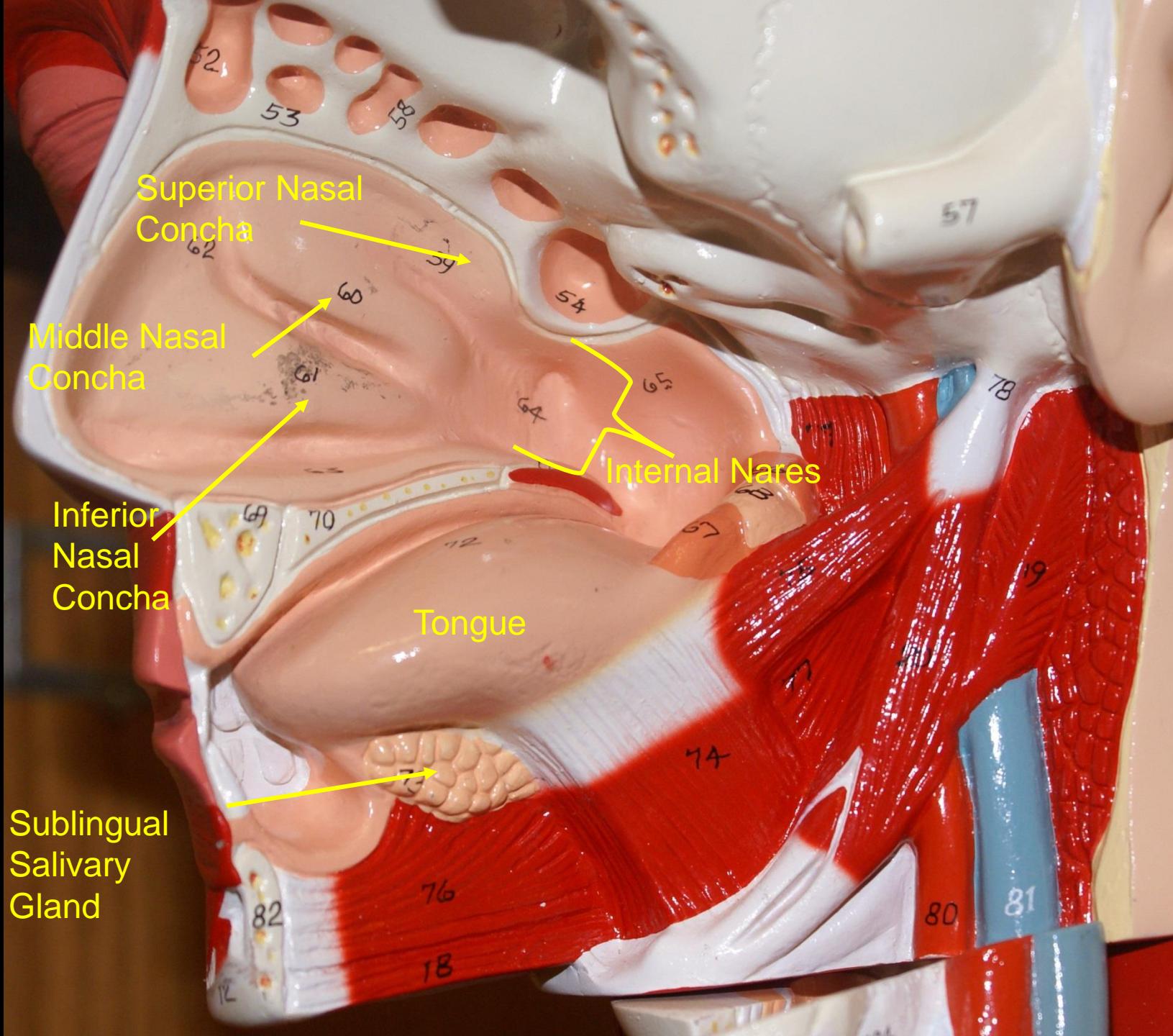
Frontal
sinus



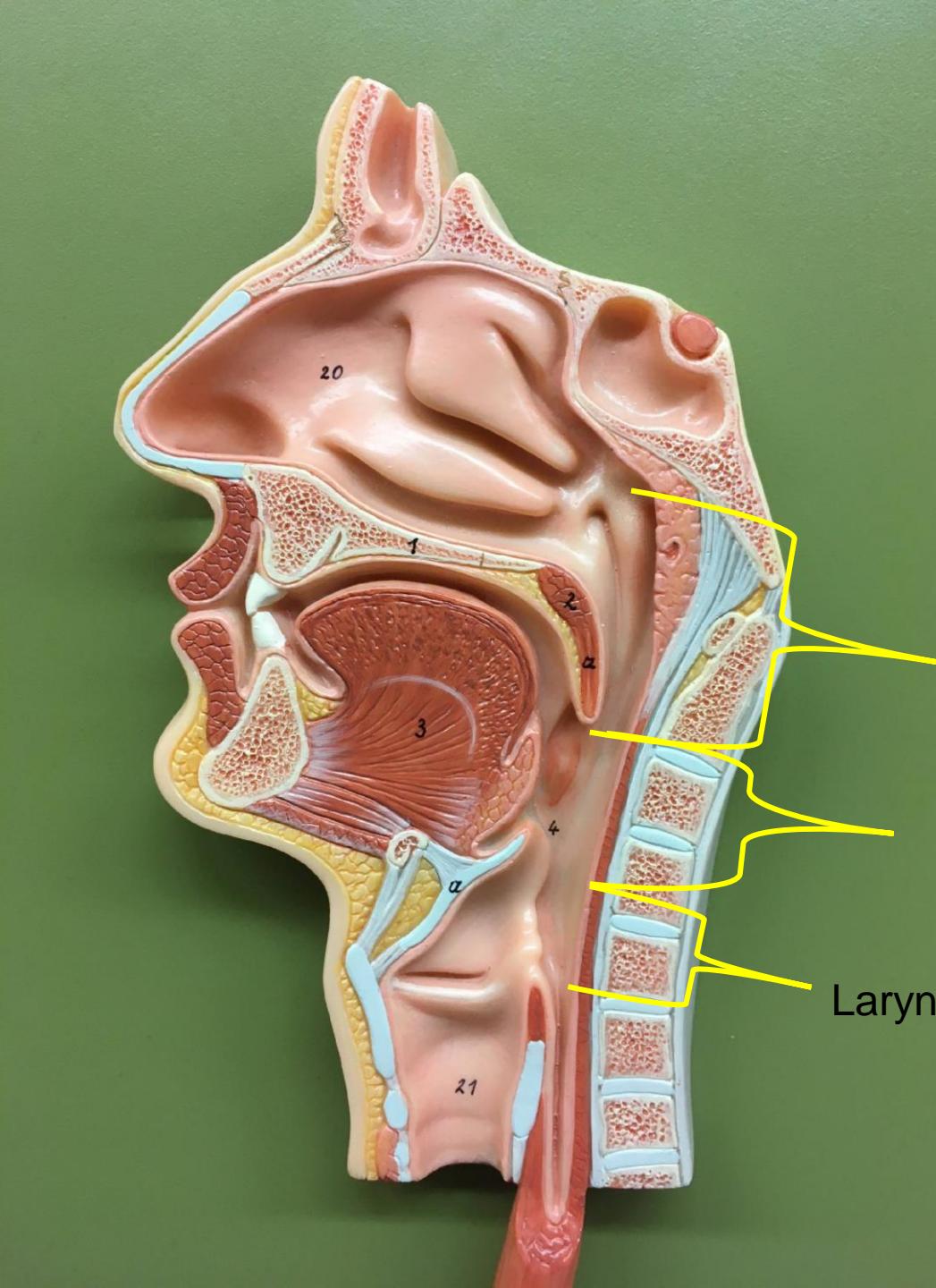
Nasal Cavity

Internal Nares

External Nares (Nostril)



Regions of the Pharynx

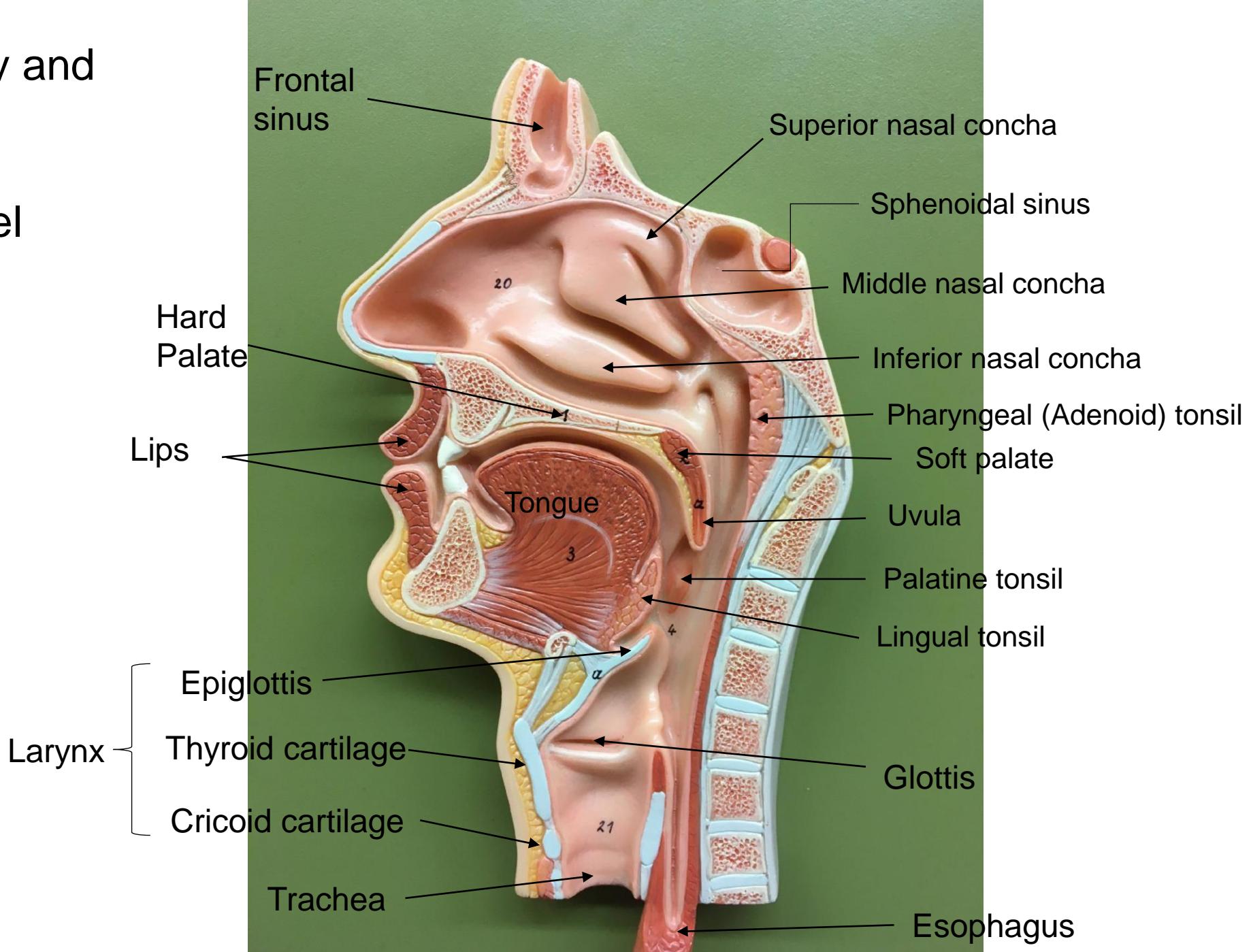


Nasopharynx

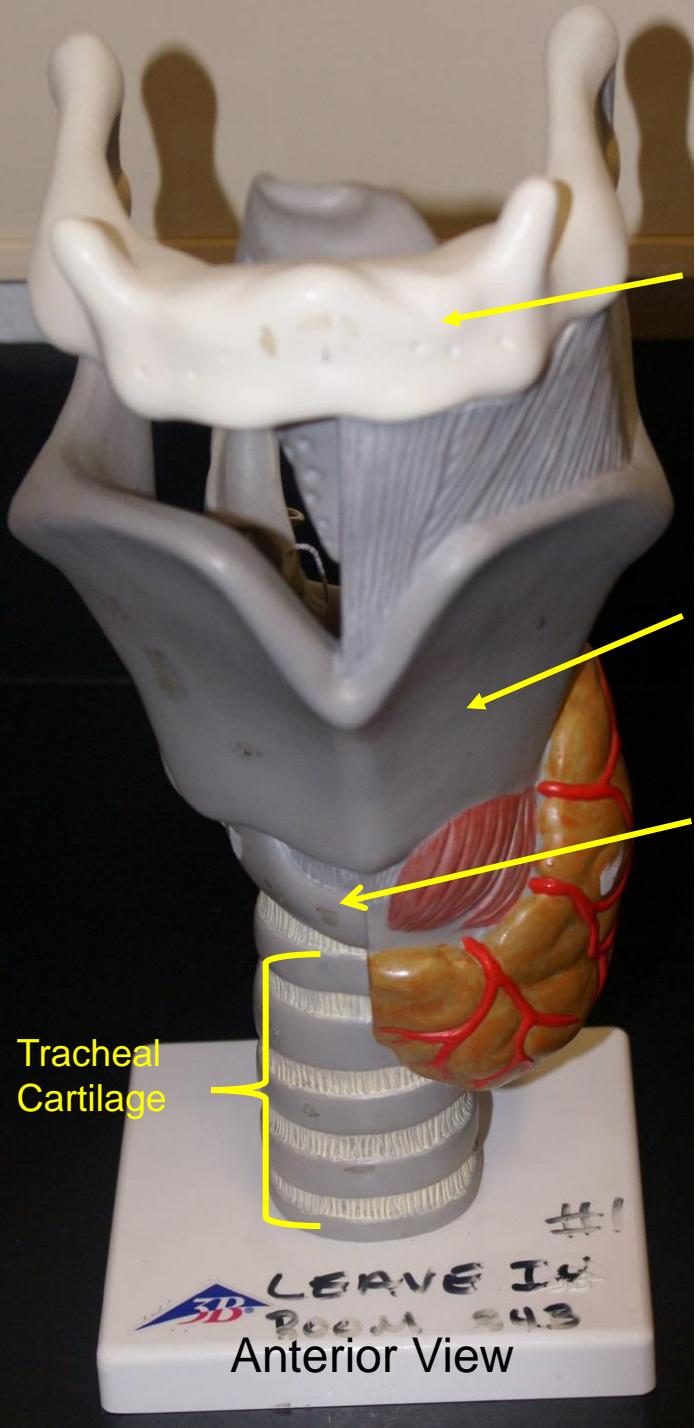
Oropharynx

Laryngopharynx

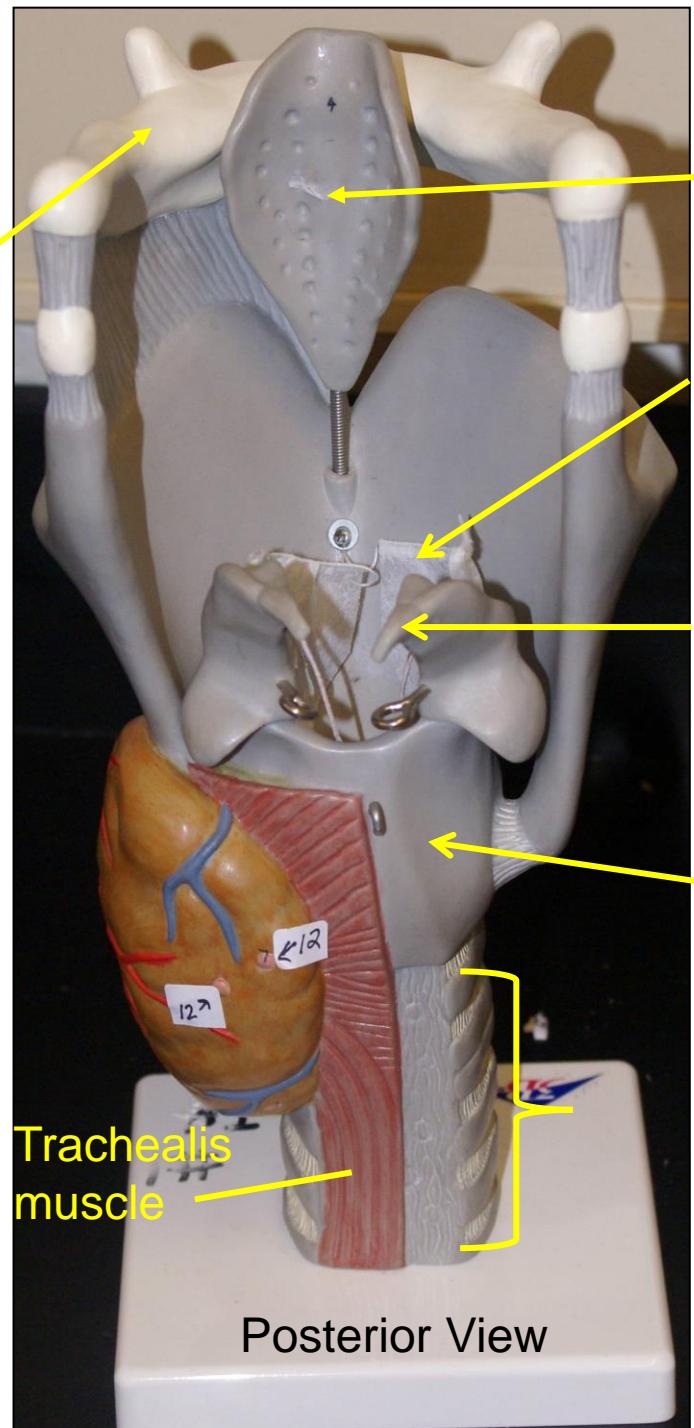
Respiratory and Digestive System Head Model Labeled



Larynx Model



Hyoid Bone



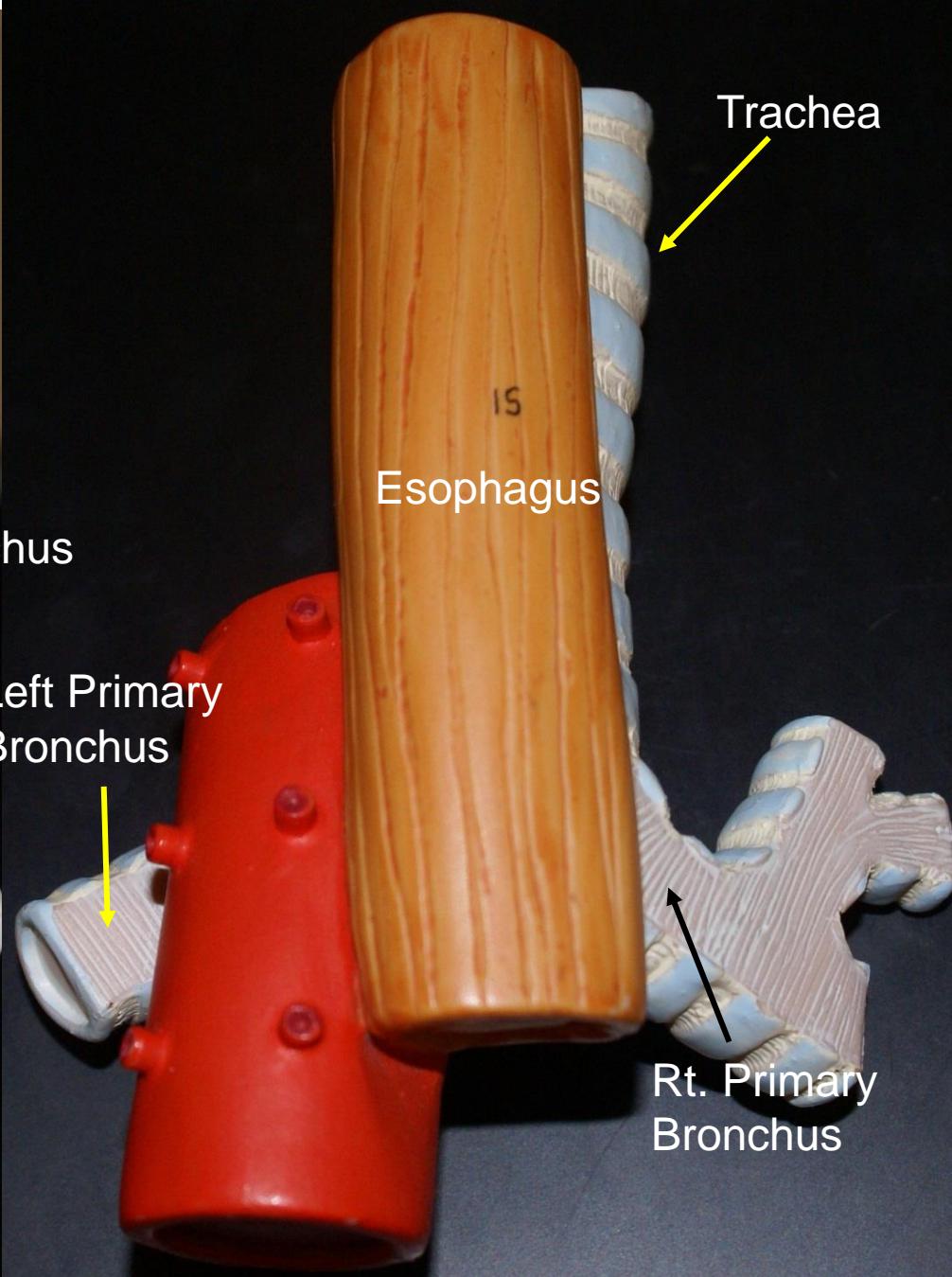
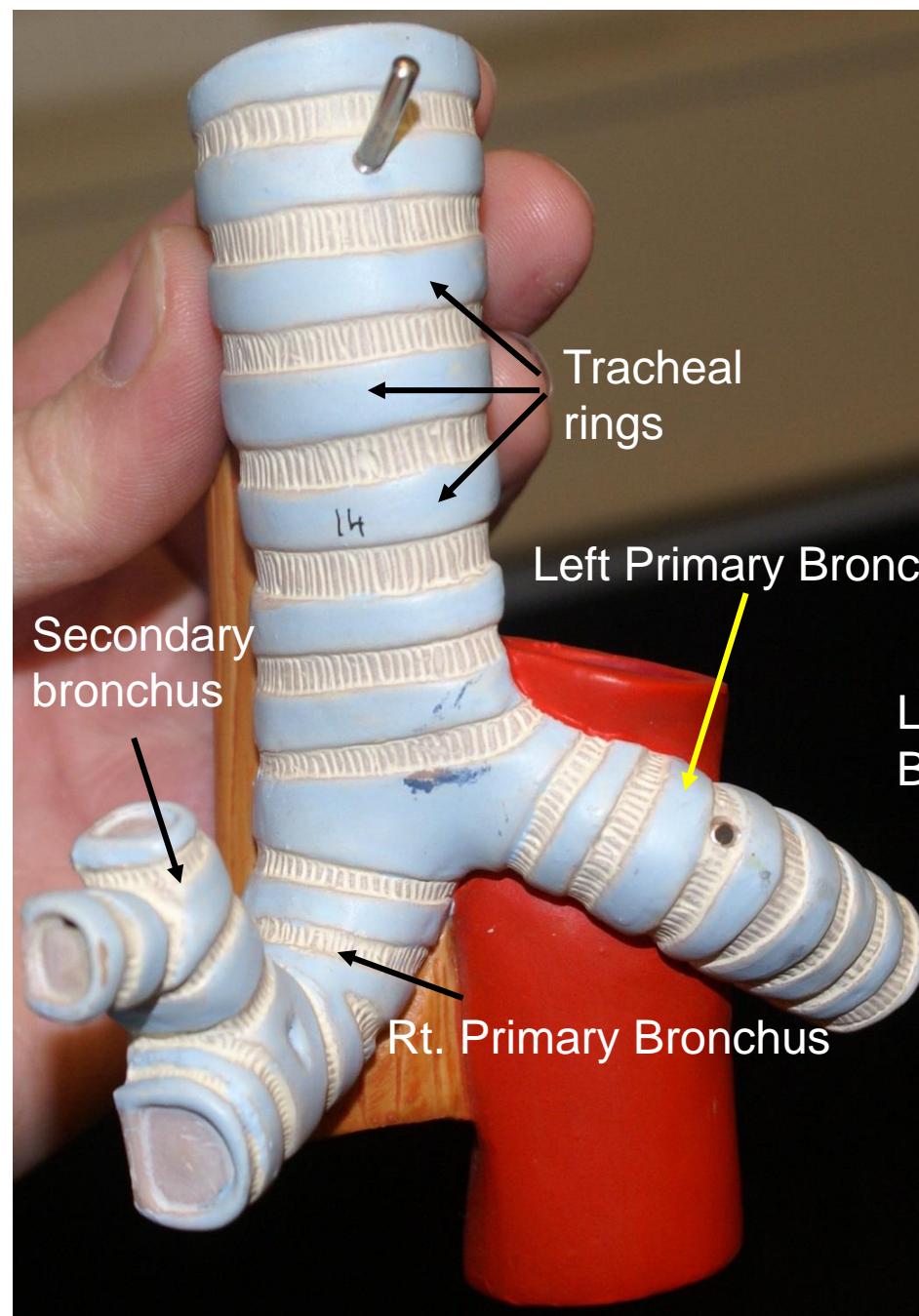
Epiglottis

White cloth structures
are the **True
Vocal Cords**

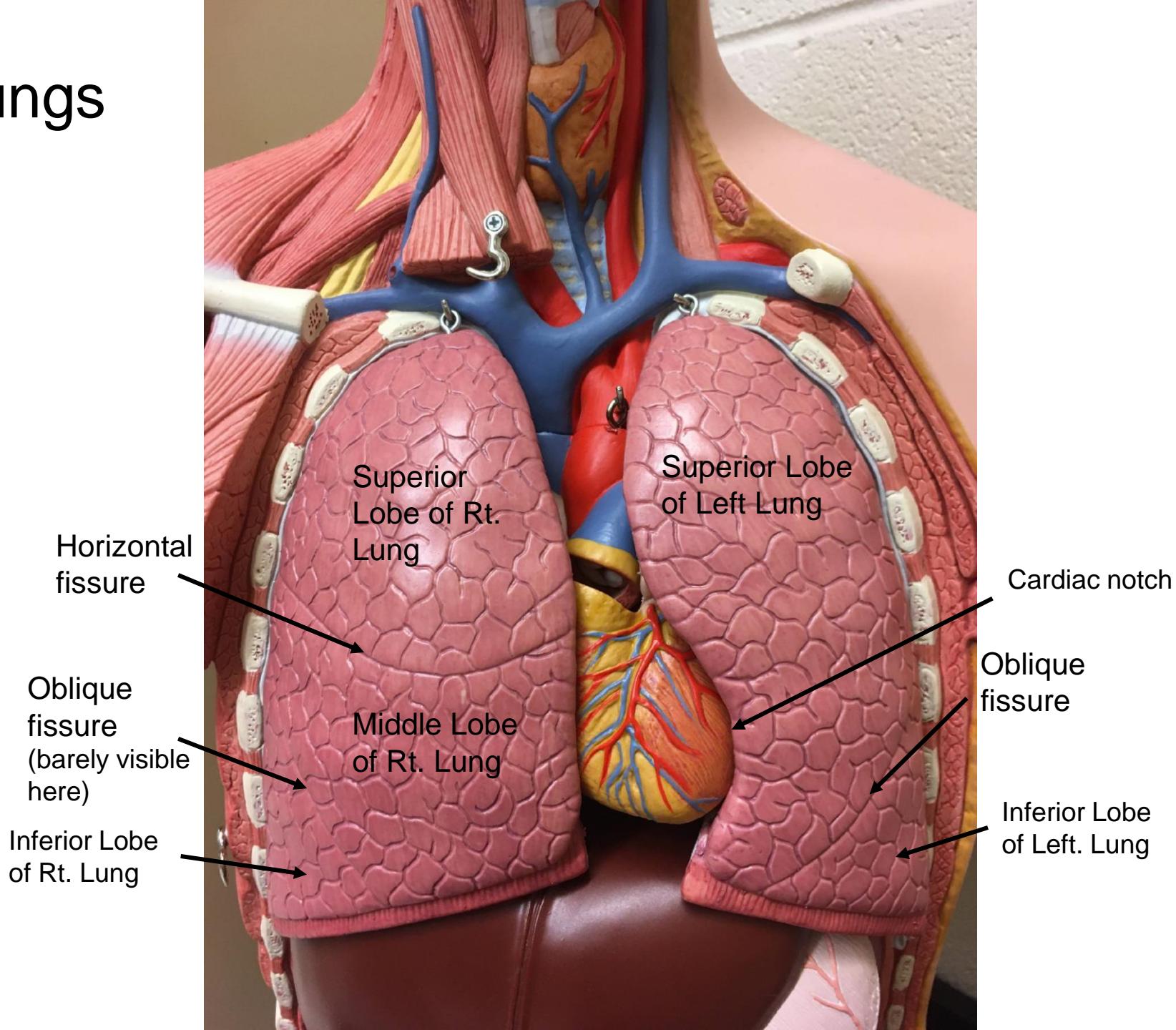
Arytenoid
Cartilage

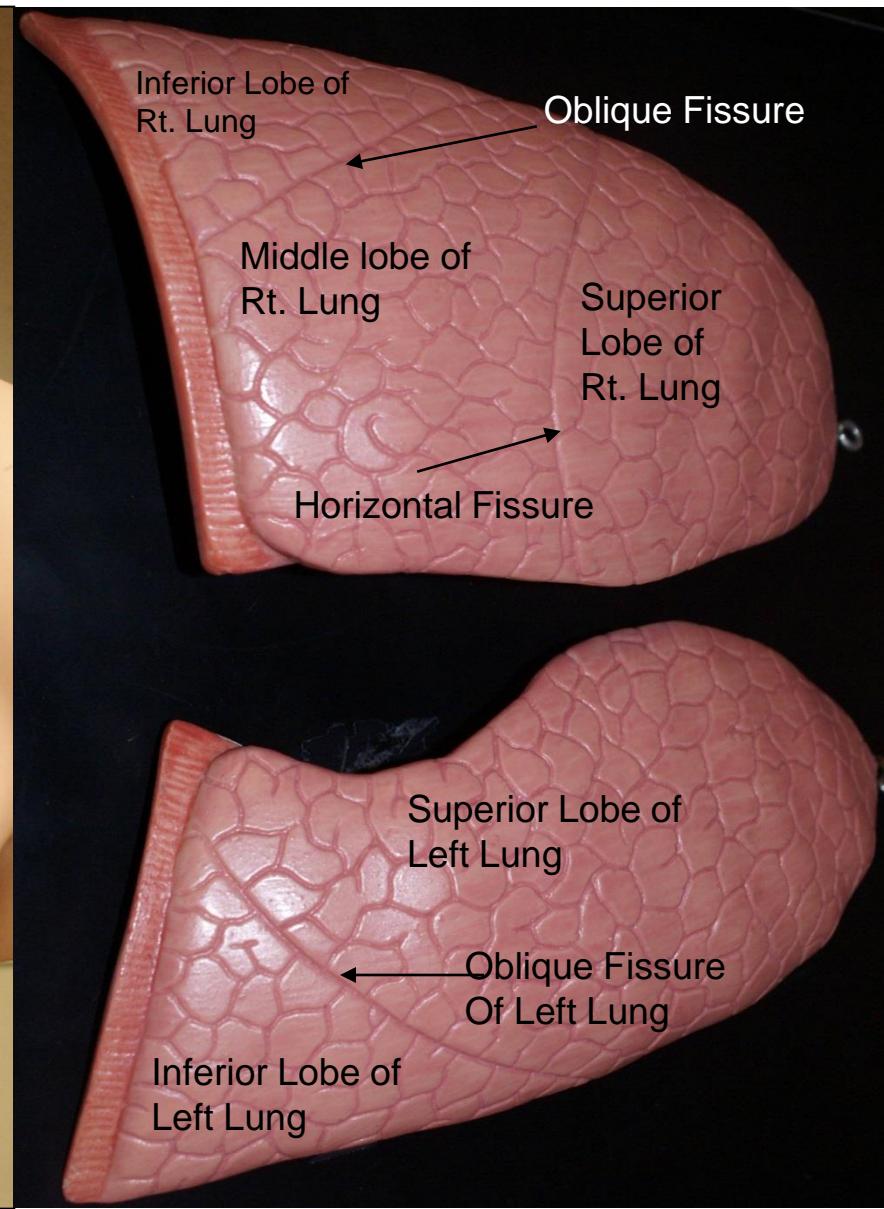
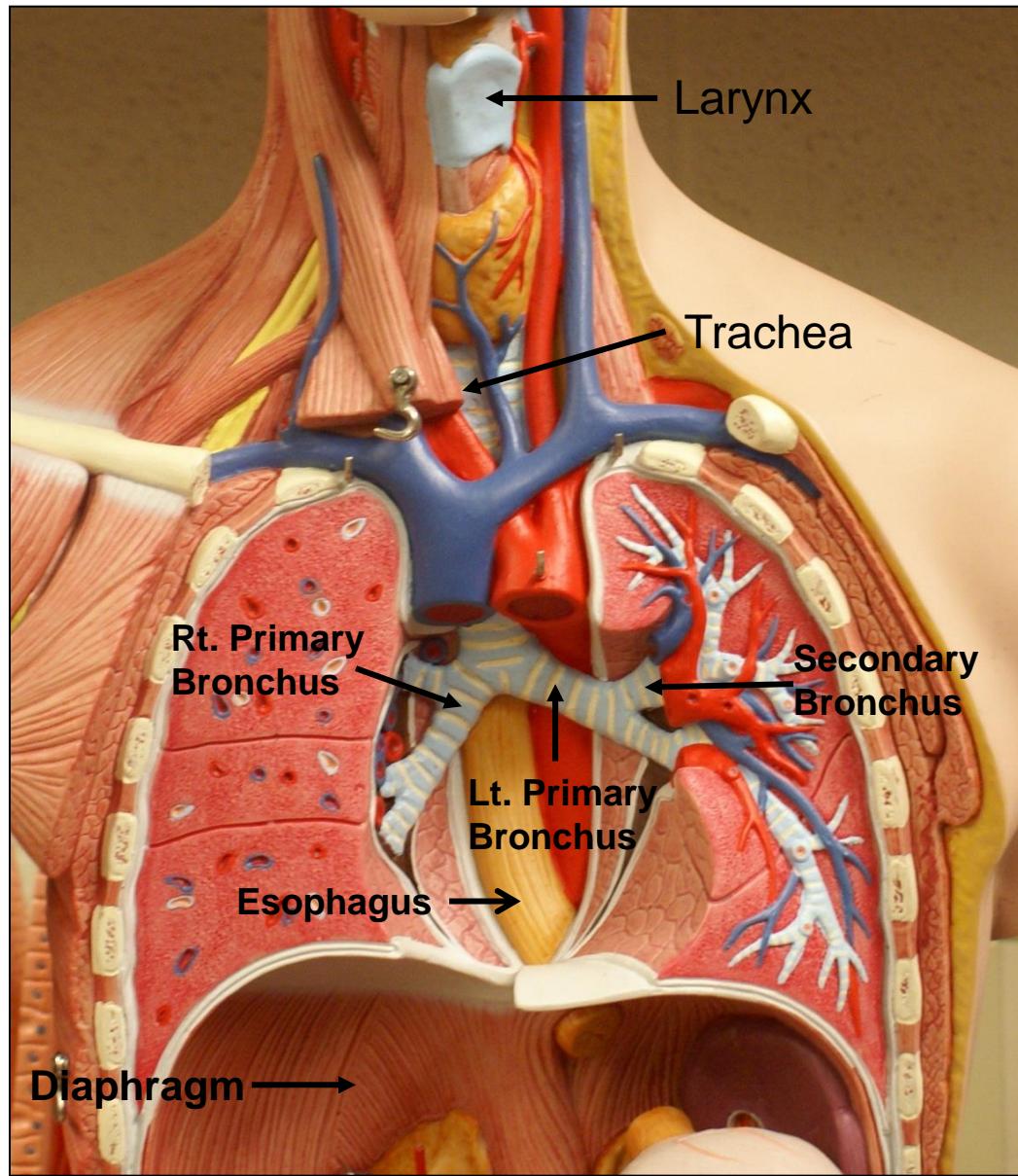
Cricoid
Cartilage

Tracheal
Cartilage
(Notice "C"
Shape)

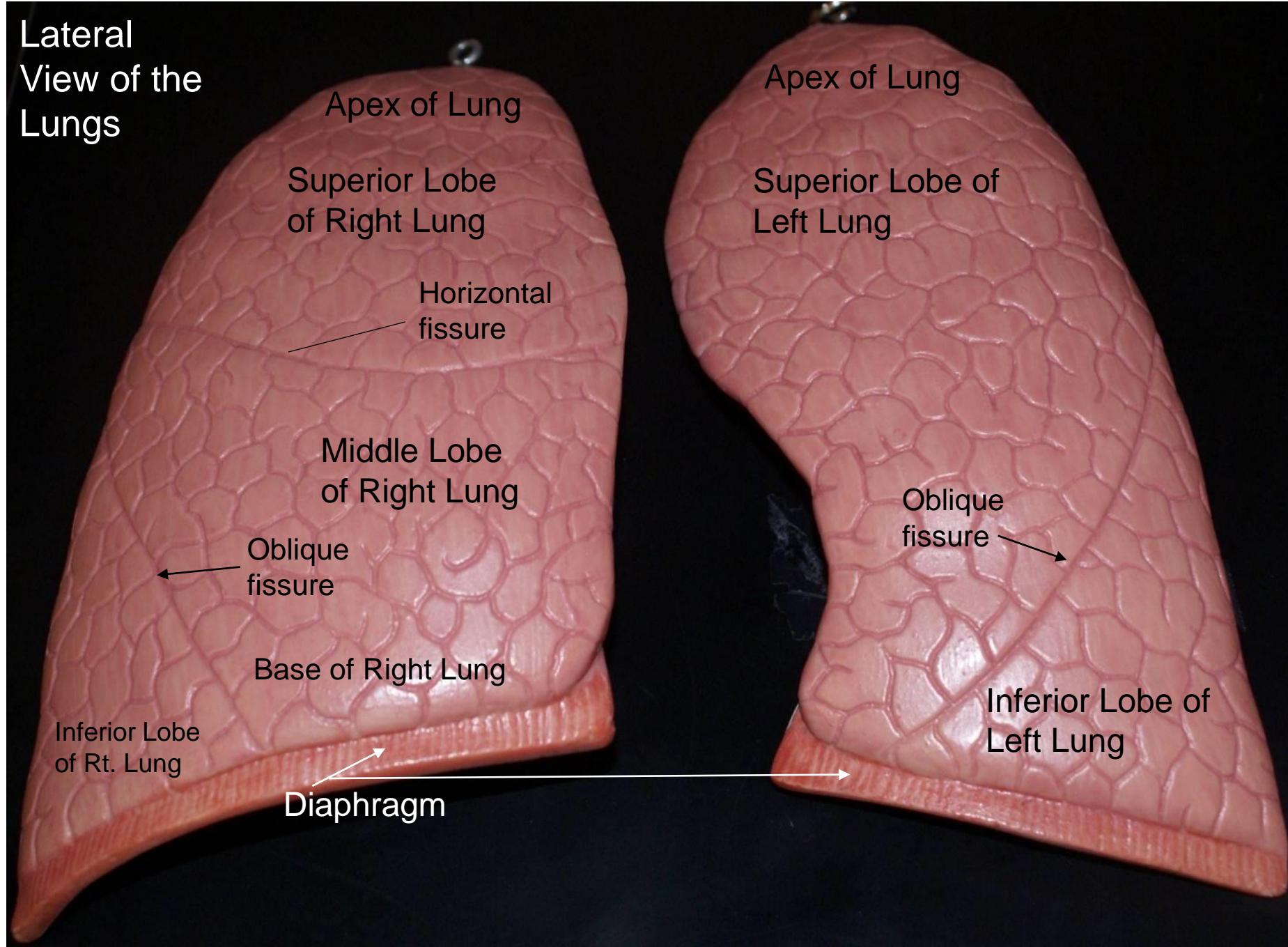


Lungs

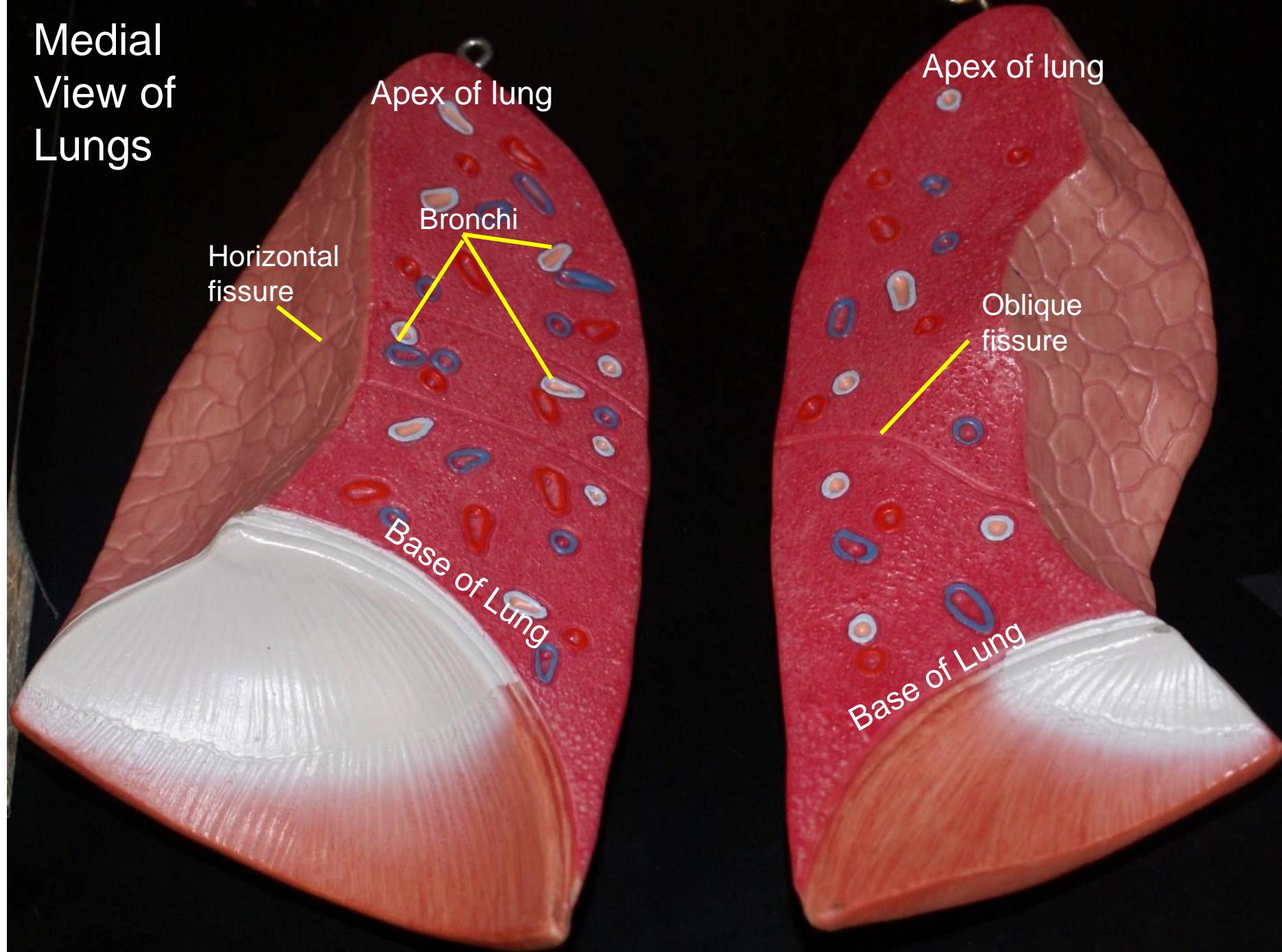




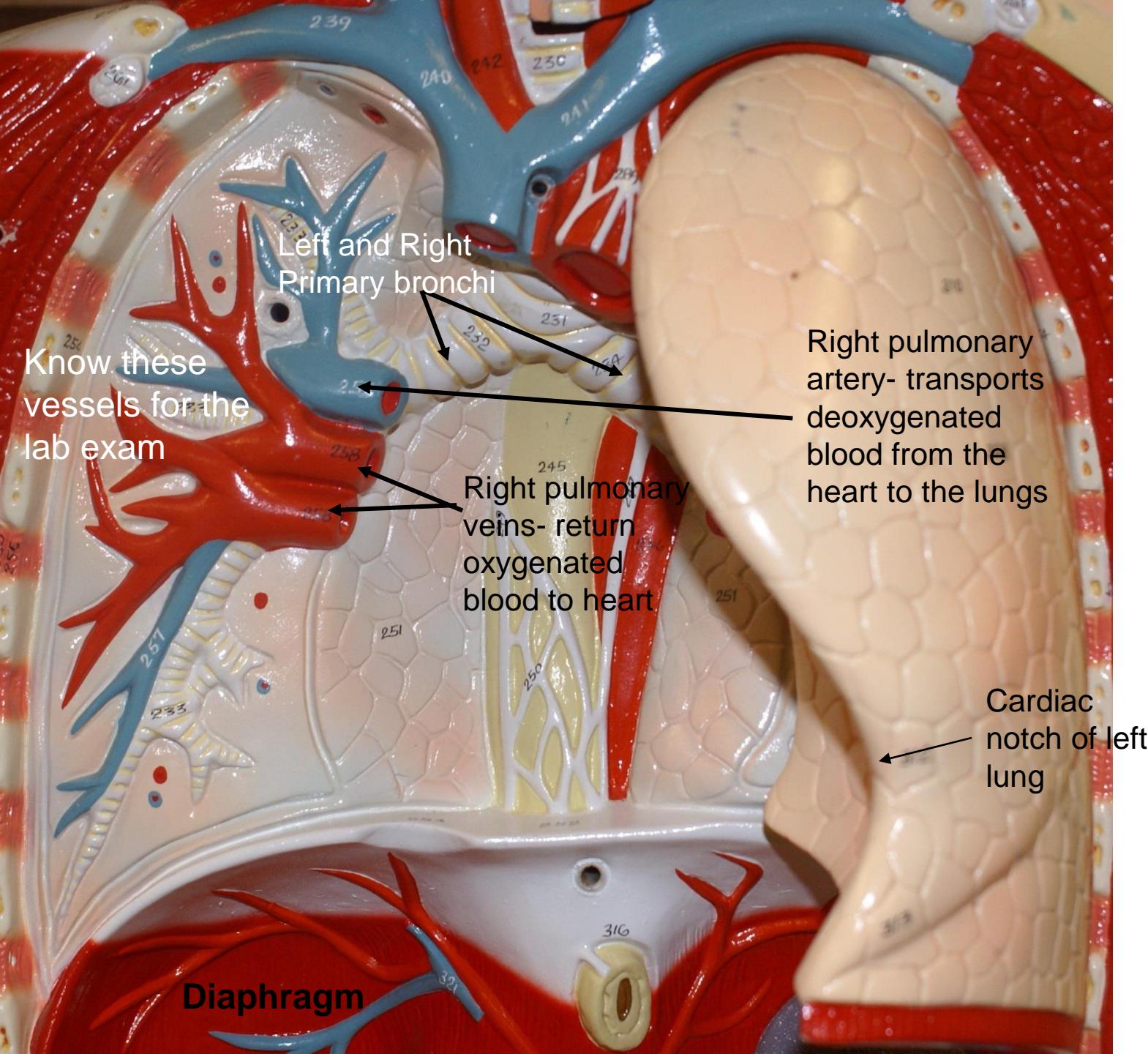
Lateral
View of the
Lungs



Medial View of Lungs



Lungs,
Bronchi and
Pulmonary
Blood
Vessels



Digestive System Sagittal Section Head Model Labeled

Inferior Nasal Concha

Nasopharynx

Tongue

Oropharynx

Middle Nasal Concha

Superior Nasal Concha

Auditory Tube Canal
Eustachian Tube

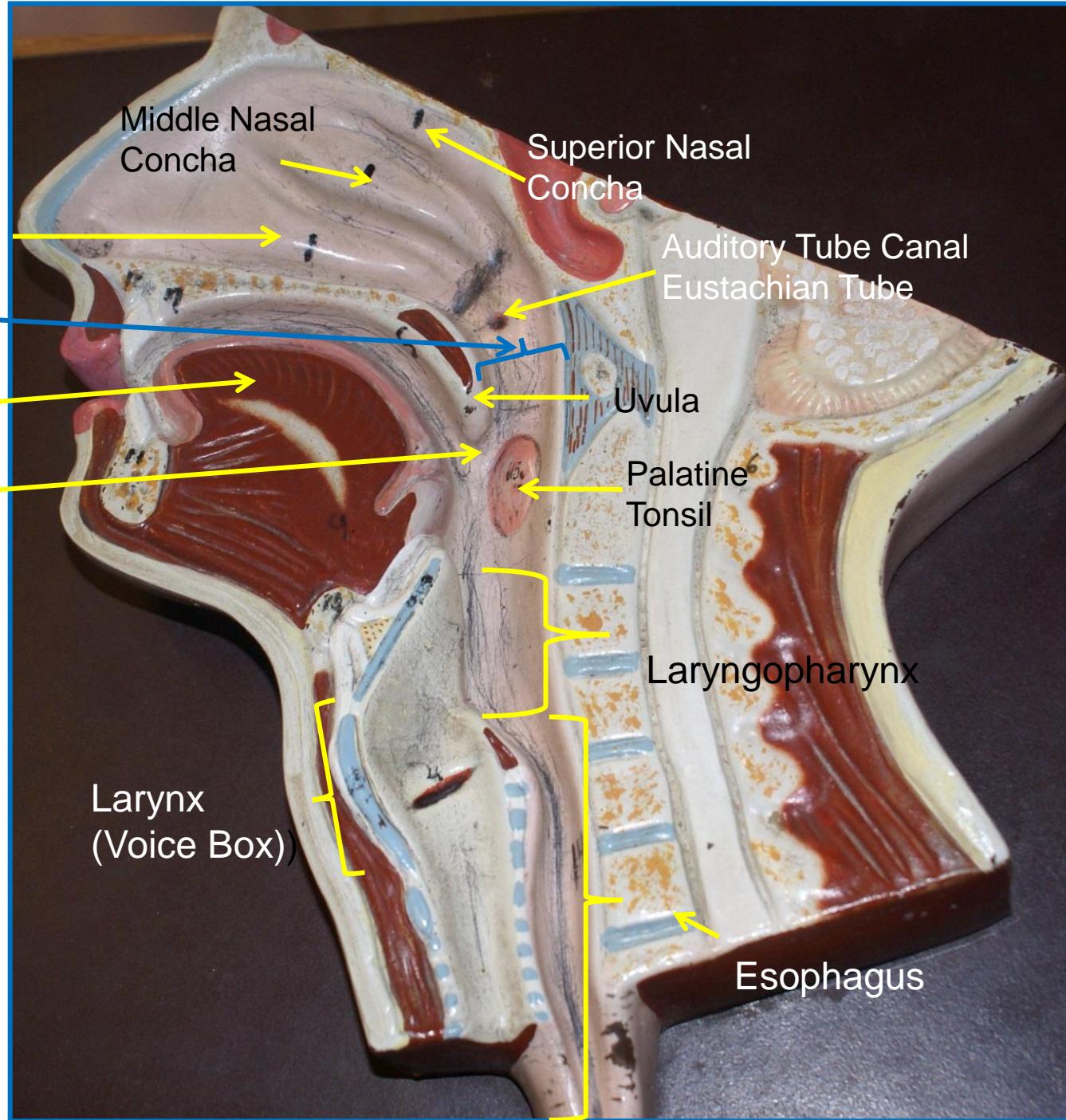
Uvula

Palatine Tonsil

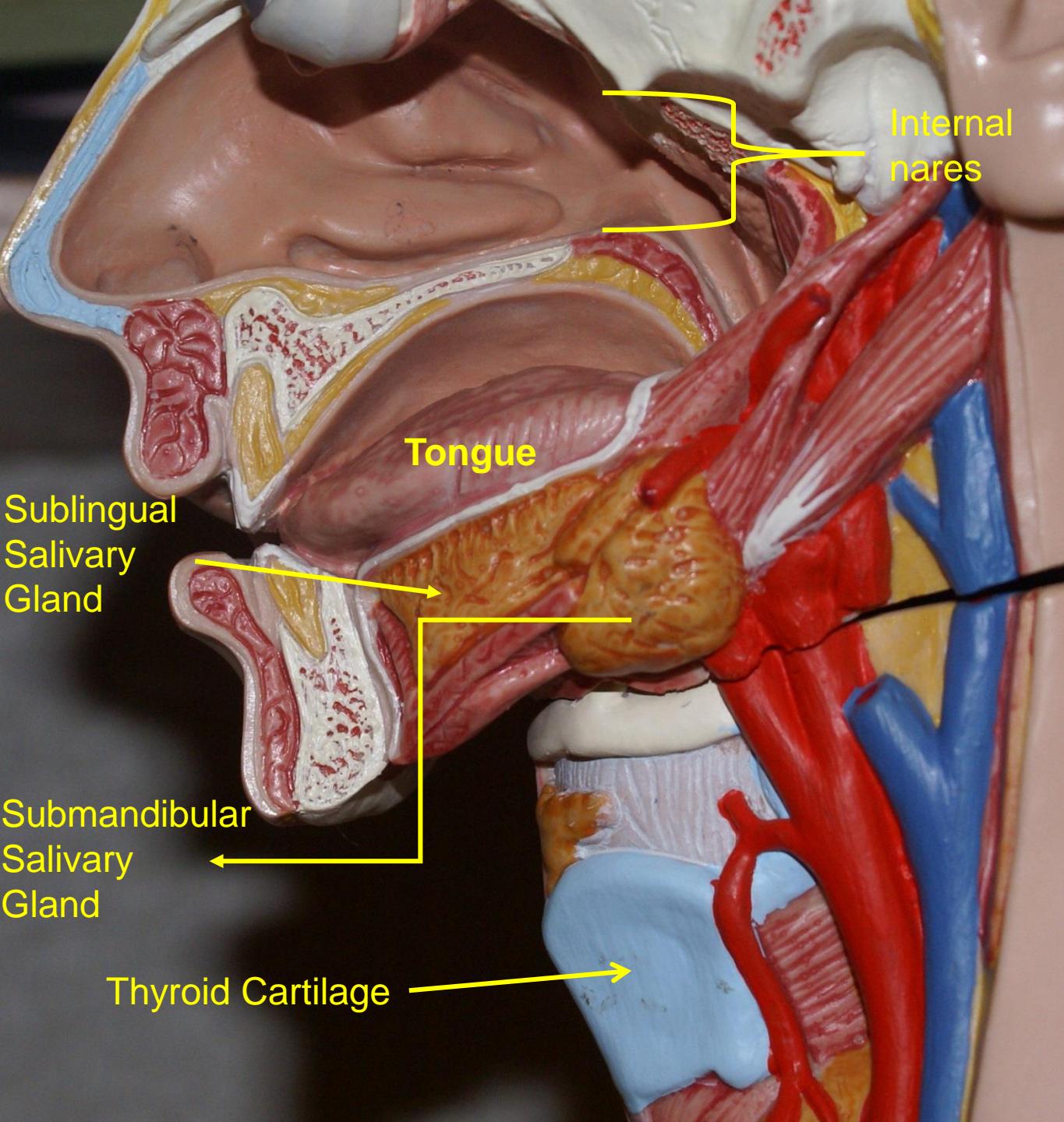
Laryngopharynx

Larynx
(Voice Box)

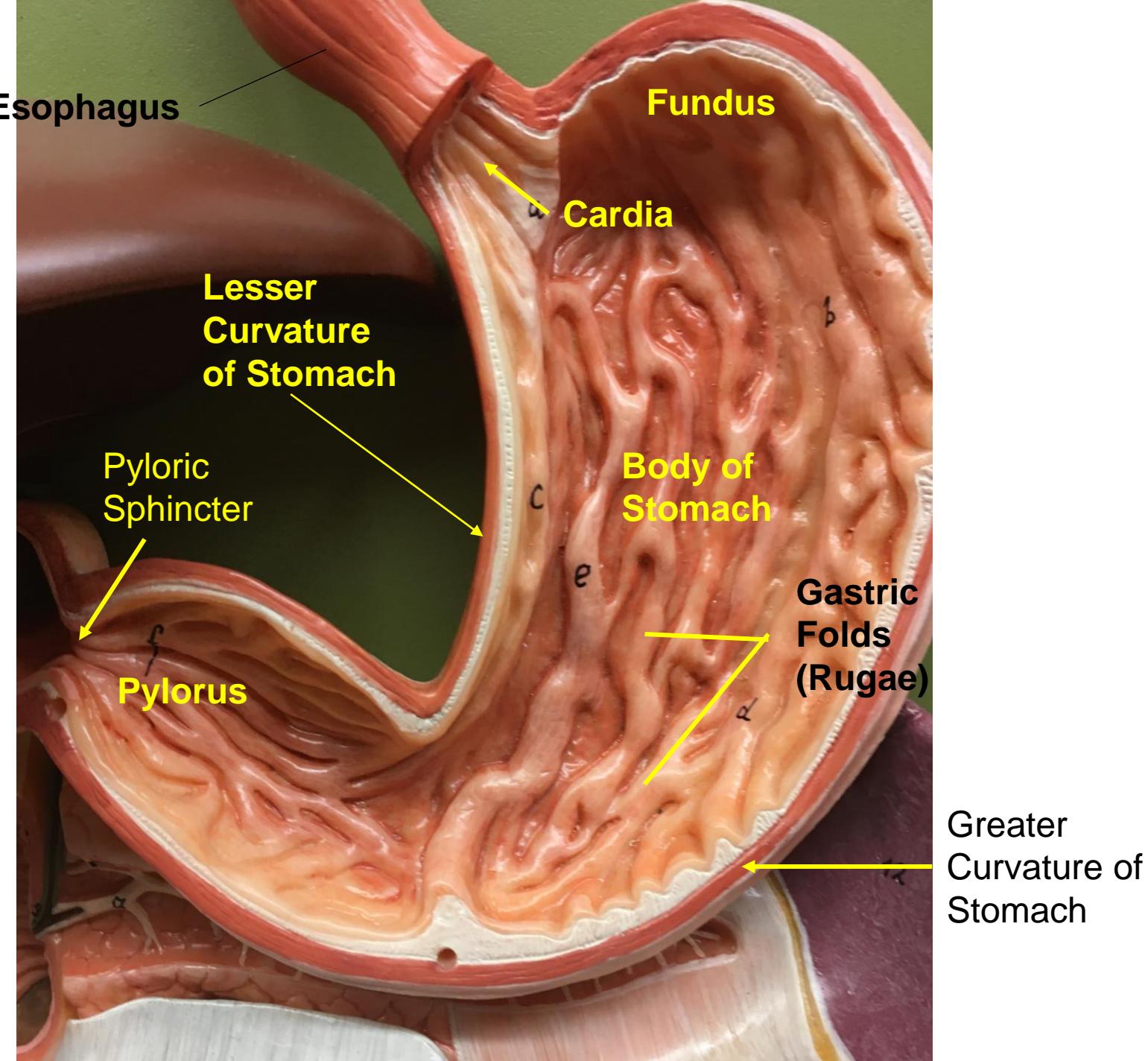
Esophagus



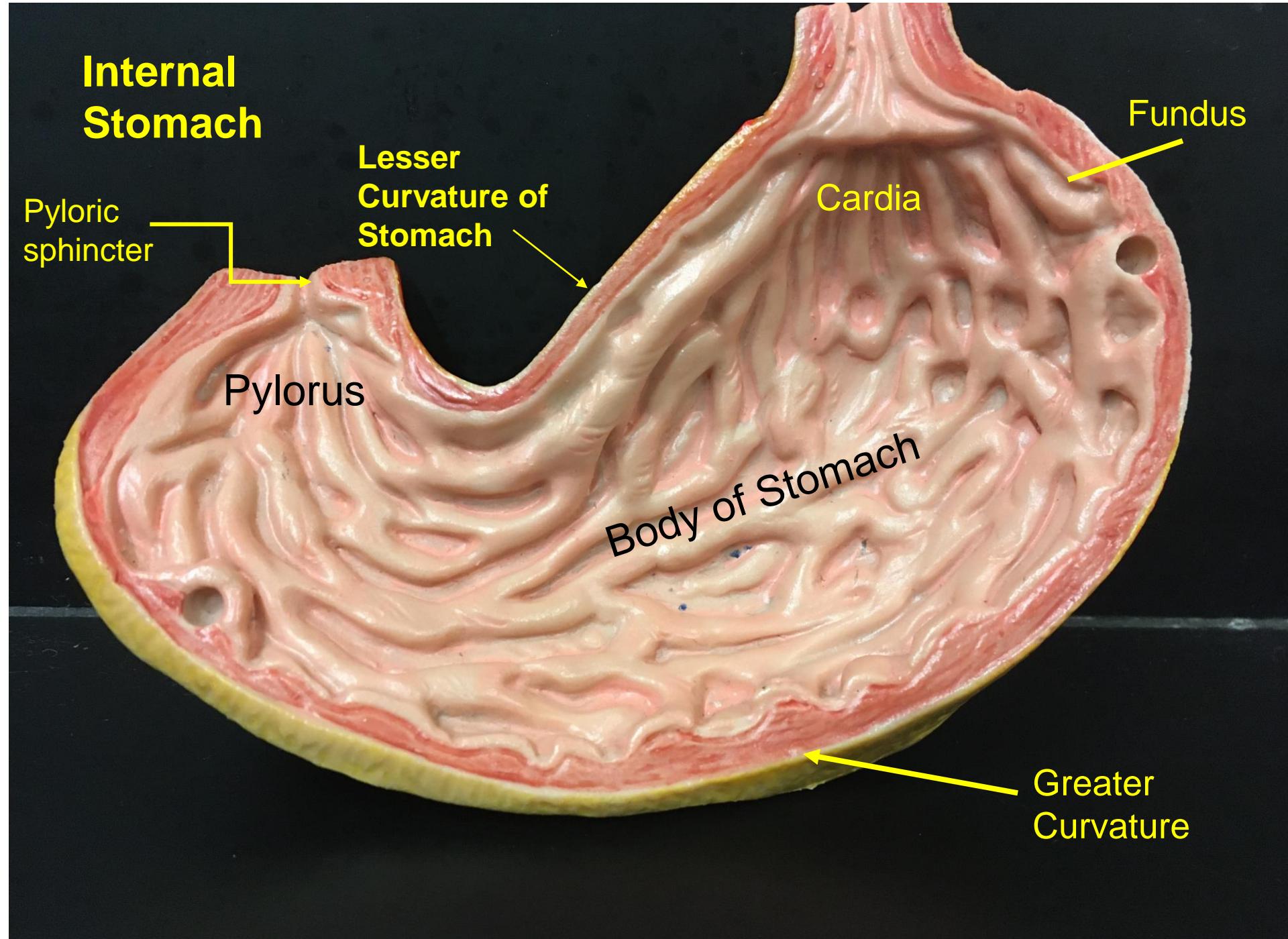
Digestive System Head Model

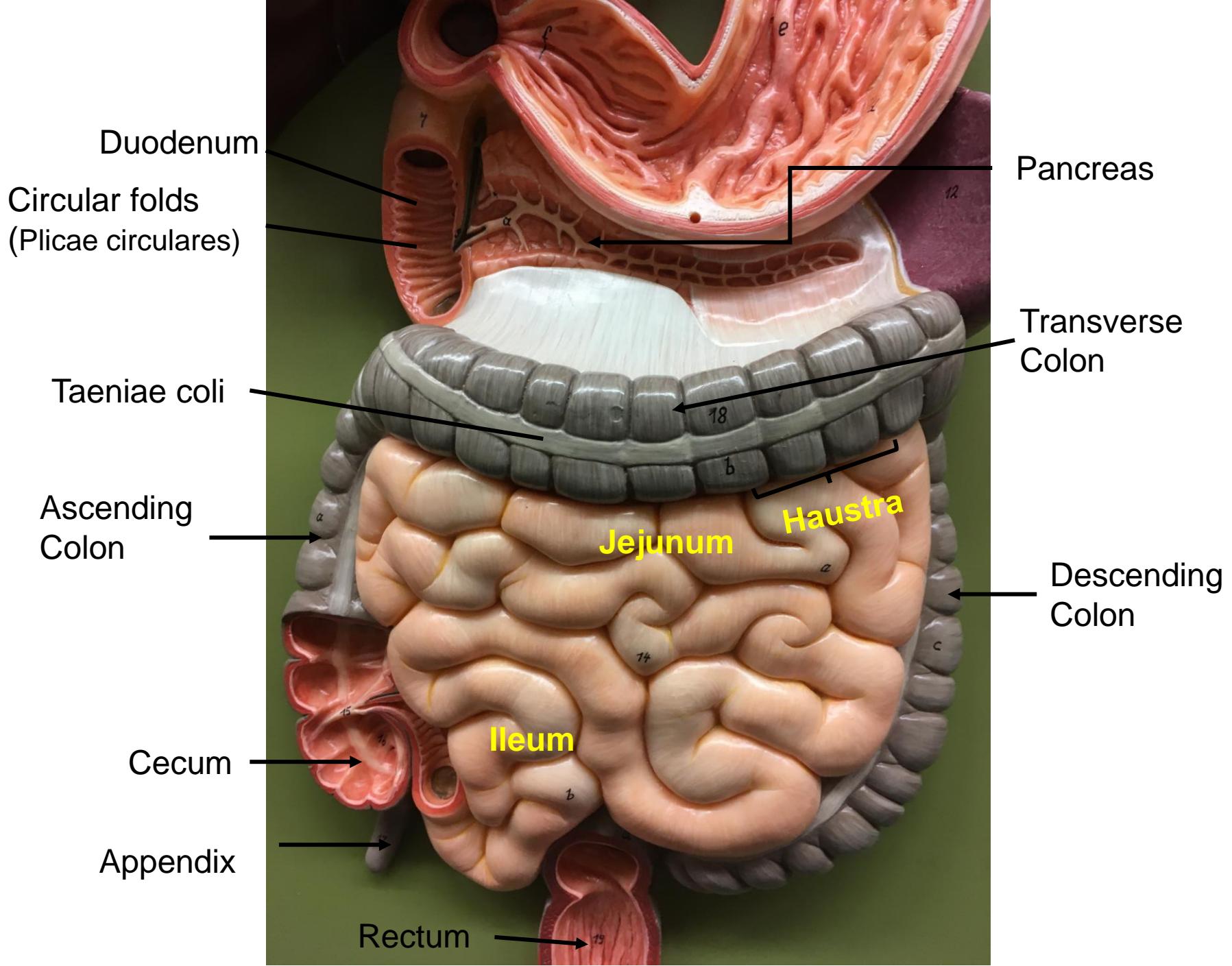


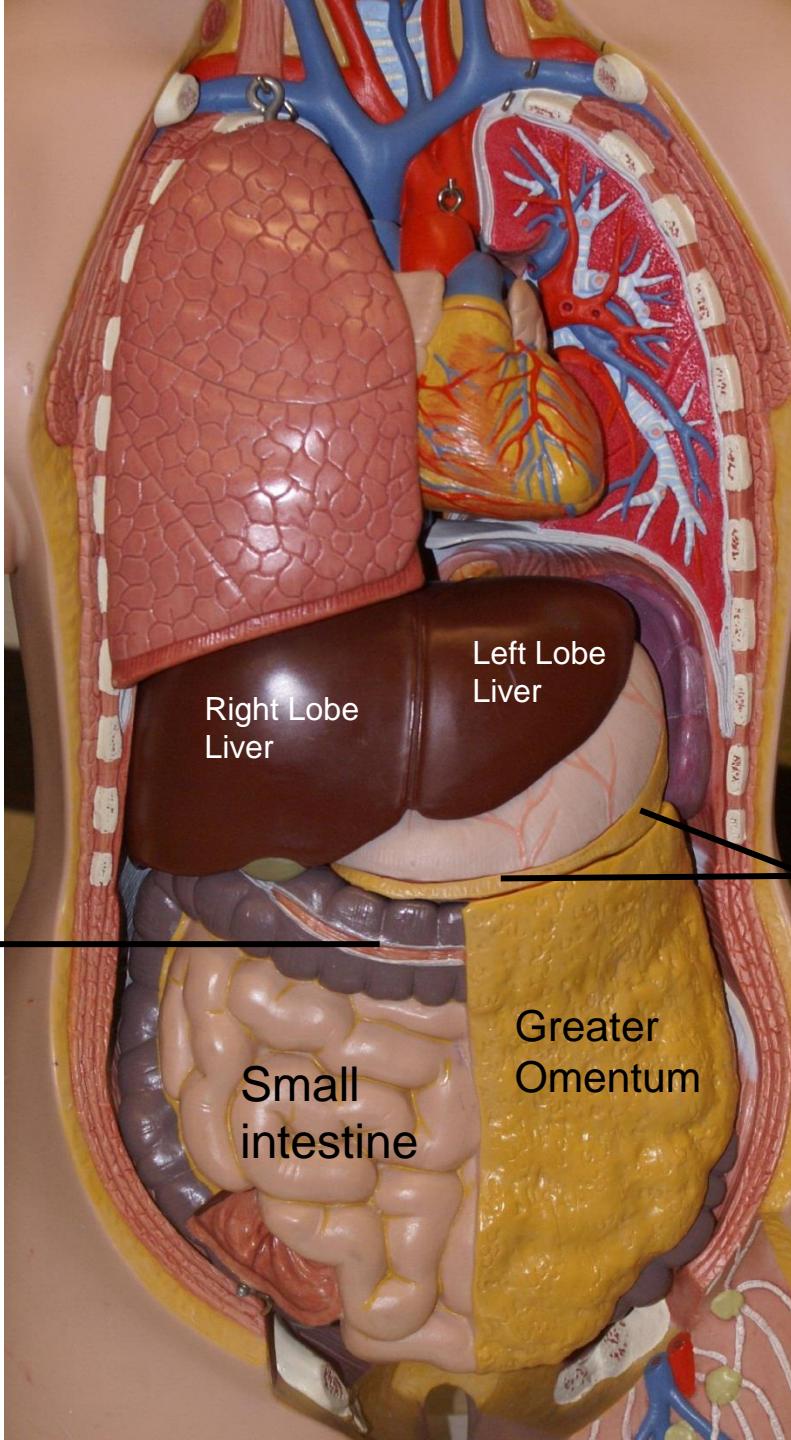
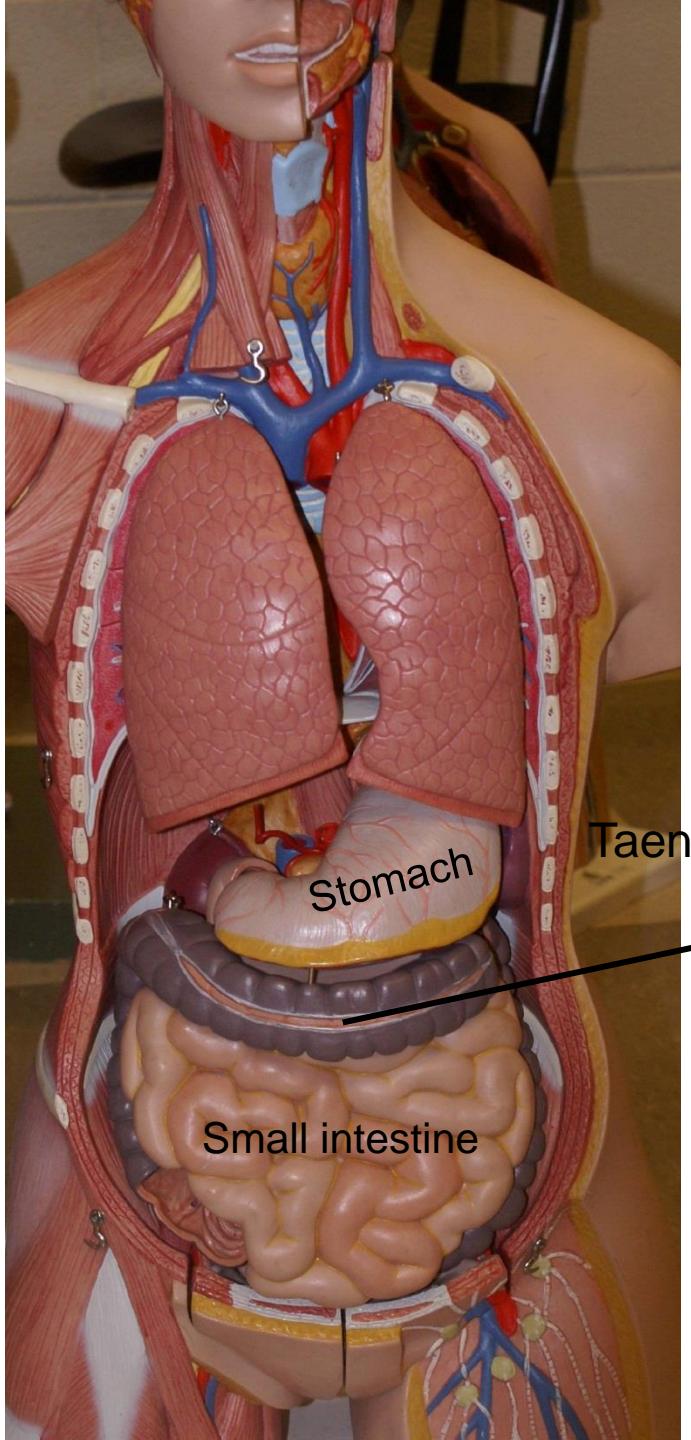
Internal Structure of the Stomach

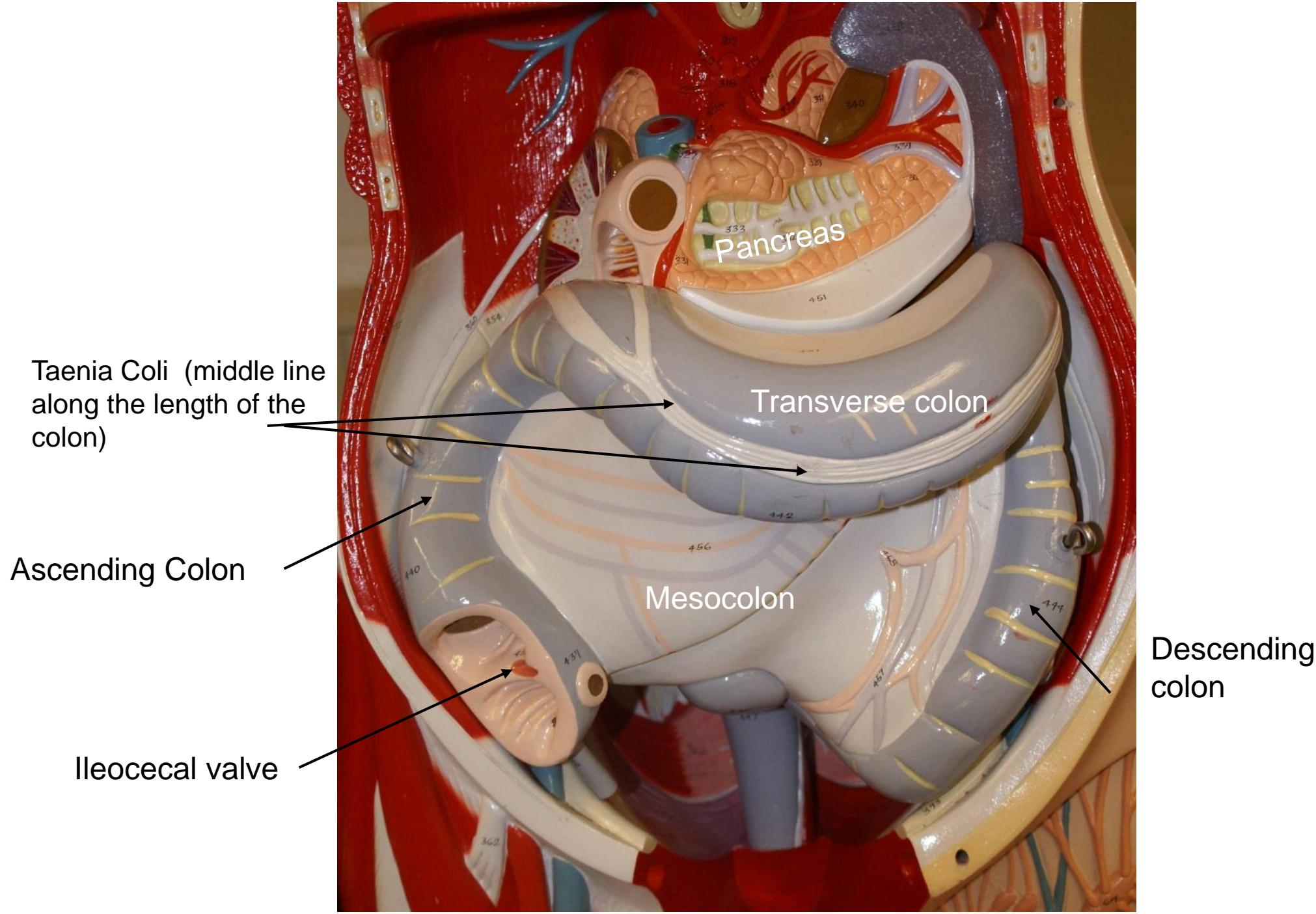


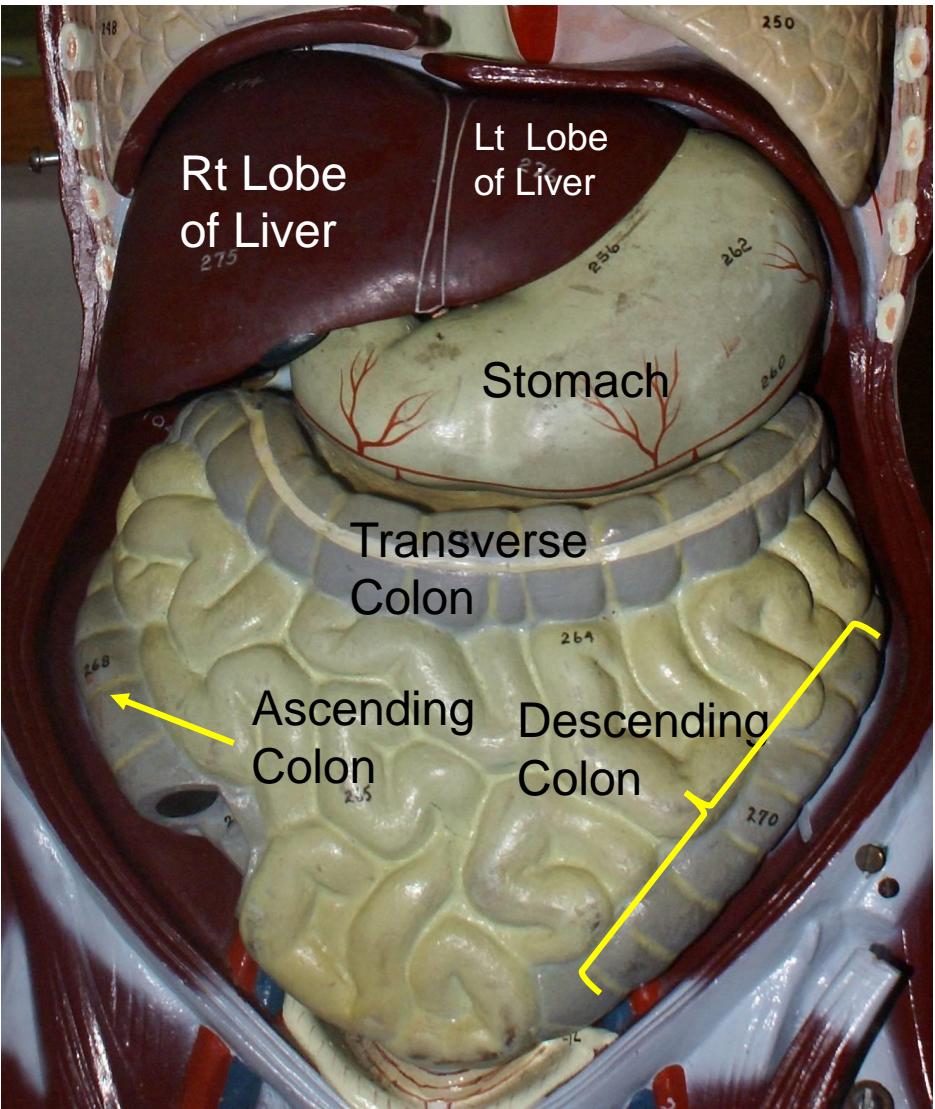
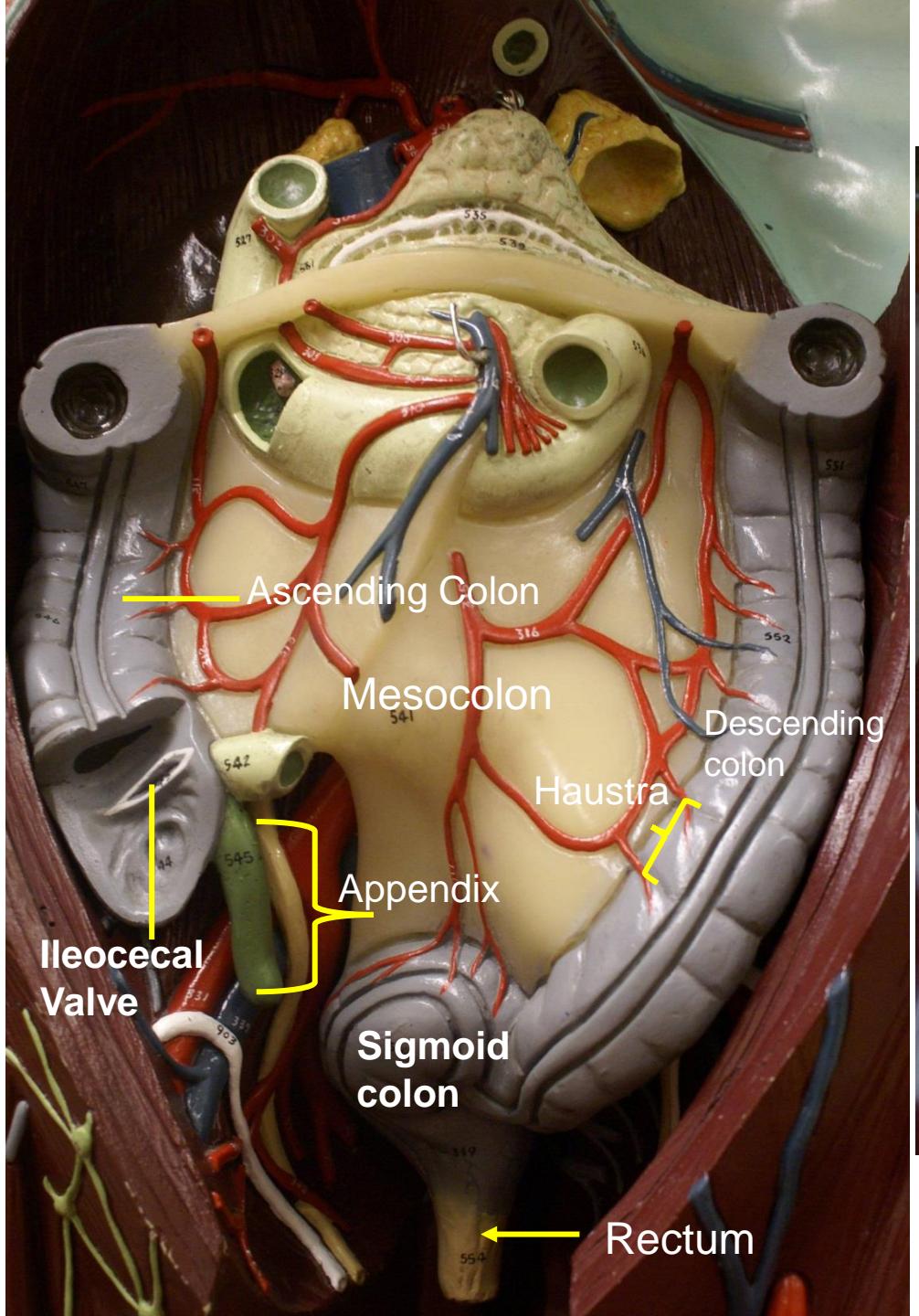
Internal
Structure
of the
Stomach











Small Intestine Model- Villi

Key:

— Layers of the
GI tract

Intestinal Villi

Venule

Arteriole

Lysosome
(red granules)

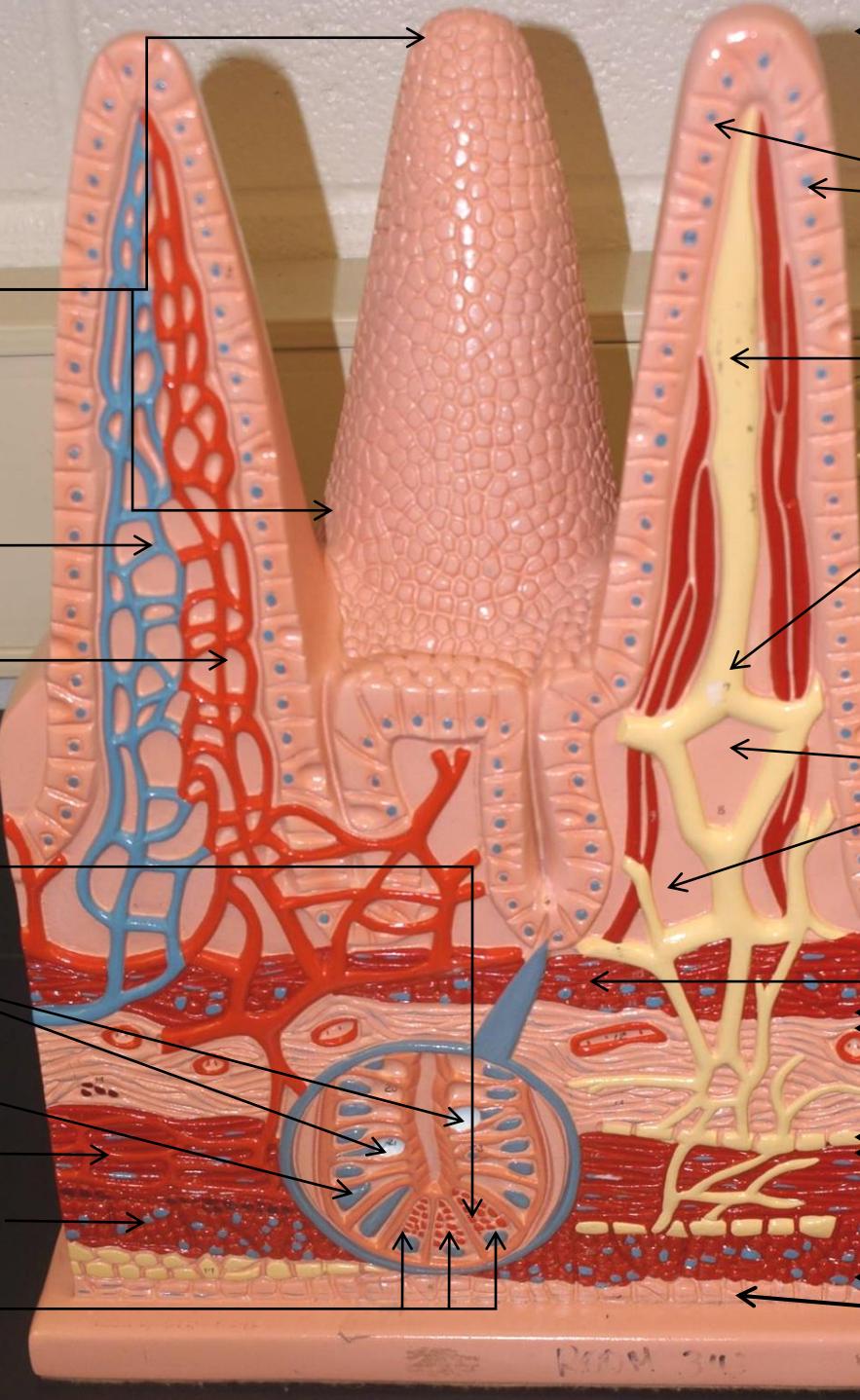
Goblet Cells

Absorptive
Cells

Inner circular layer

Outer longitudinal layer

Paneth
Cells



Epithelial Layer
Simple
Columnar
Absorptive Cells

Lacteal

Mucosa

Lamina
propria

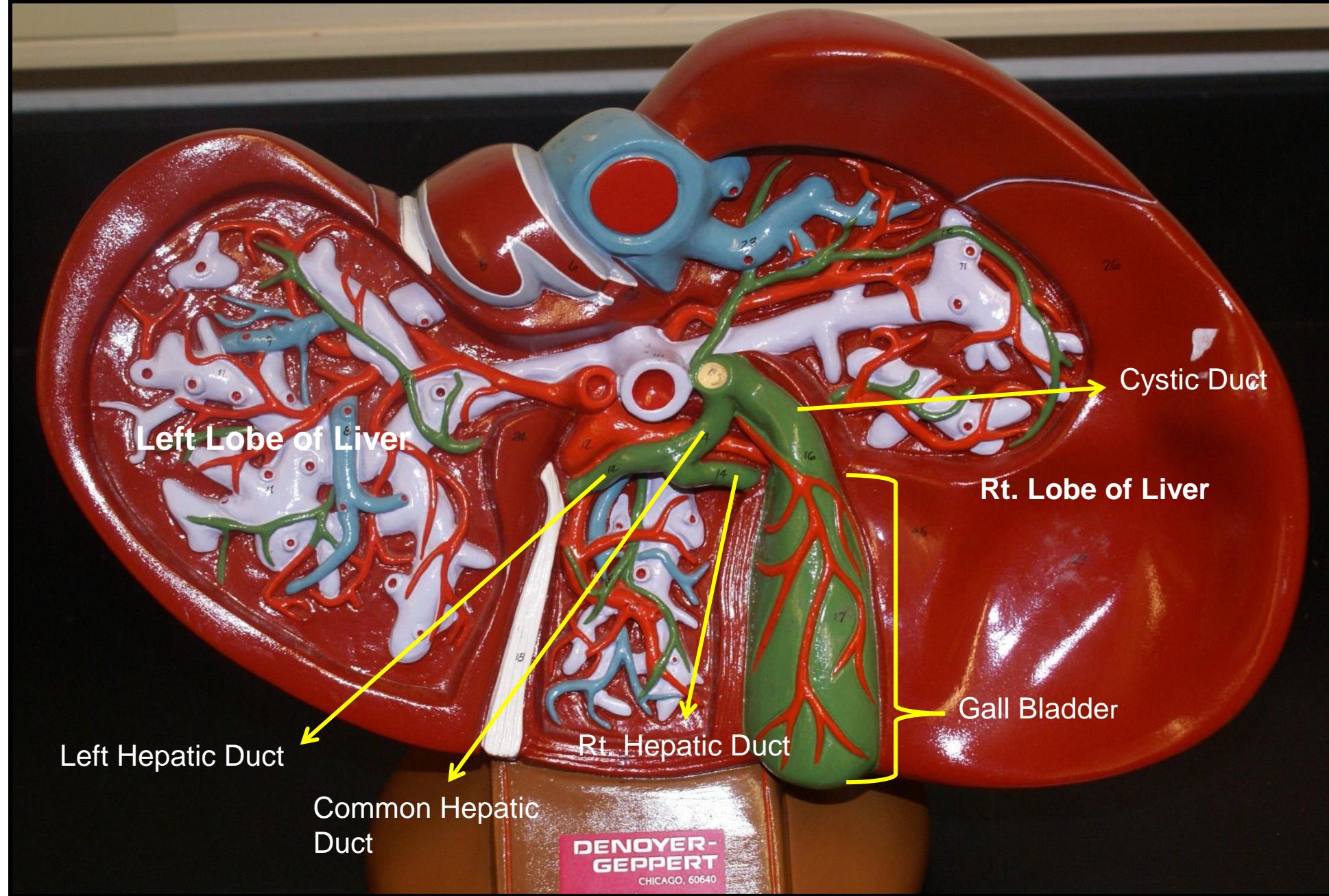
Muscularis Mucosae

Submucosa

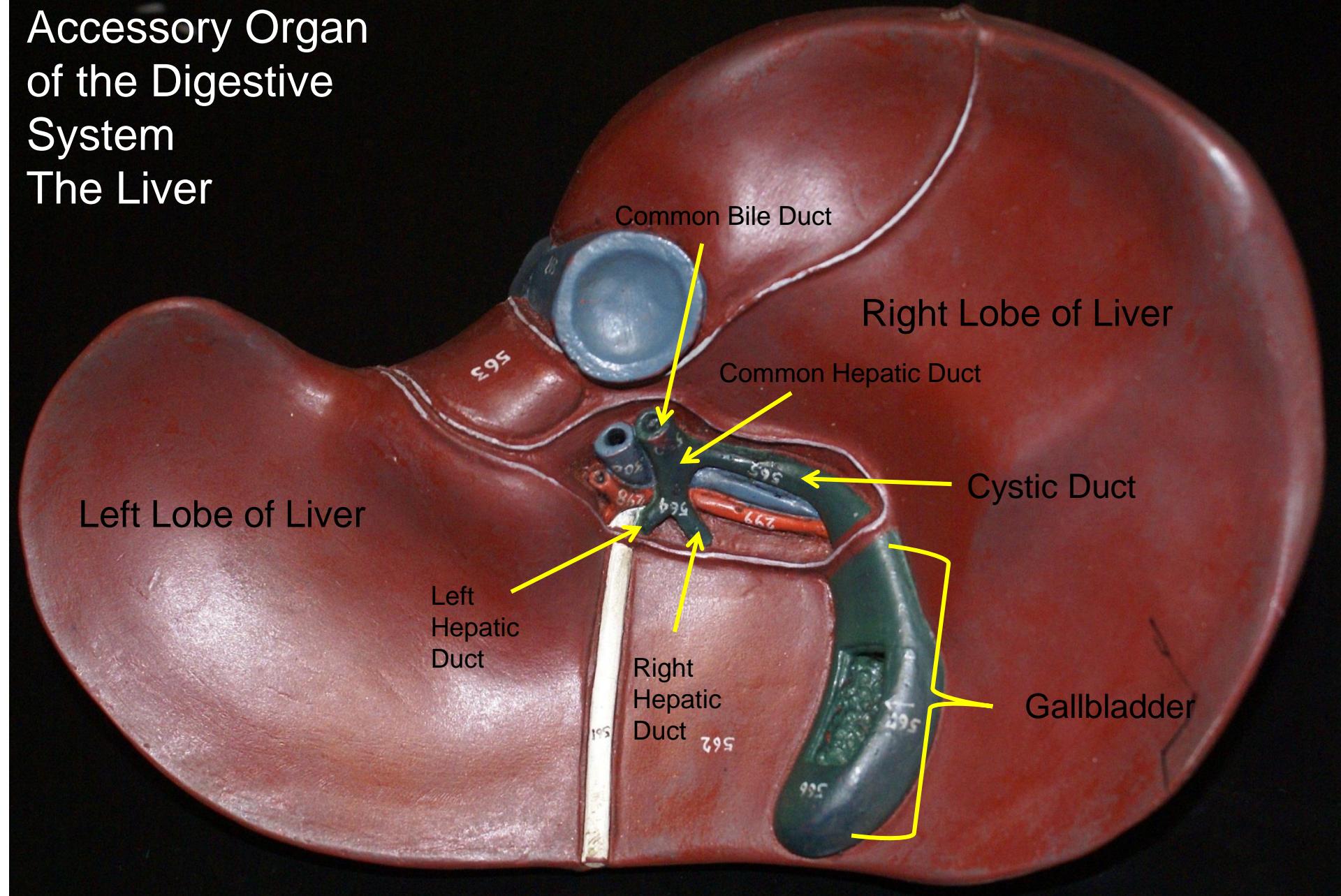
Muscularis Externa

Serosa or
Adventitia

Accessory
Organ of
the
Digestive
System
The Liver

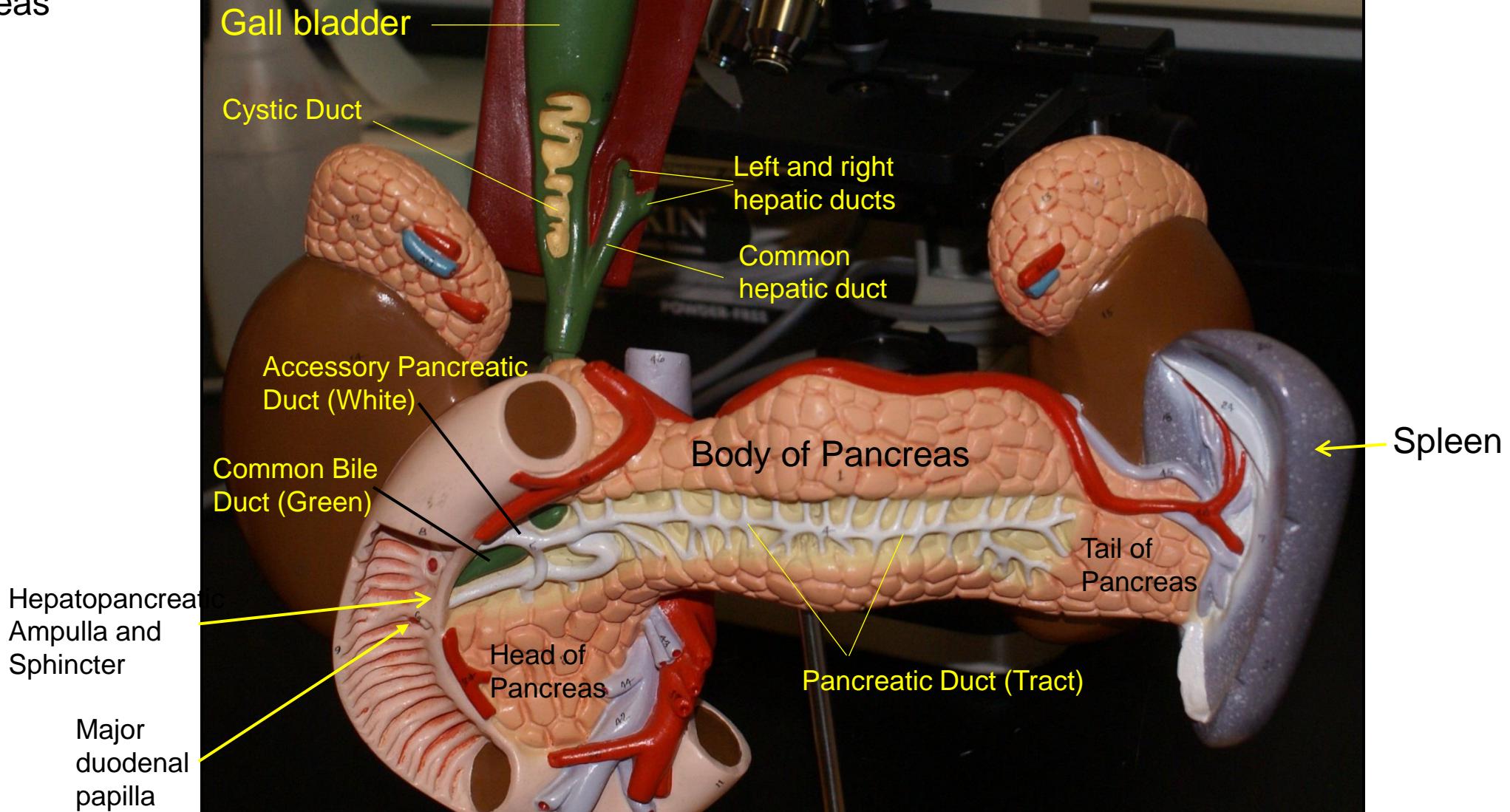


Accessory Organ of the Digestive System The Liver



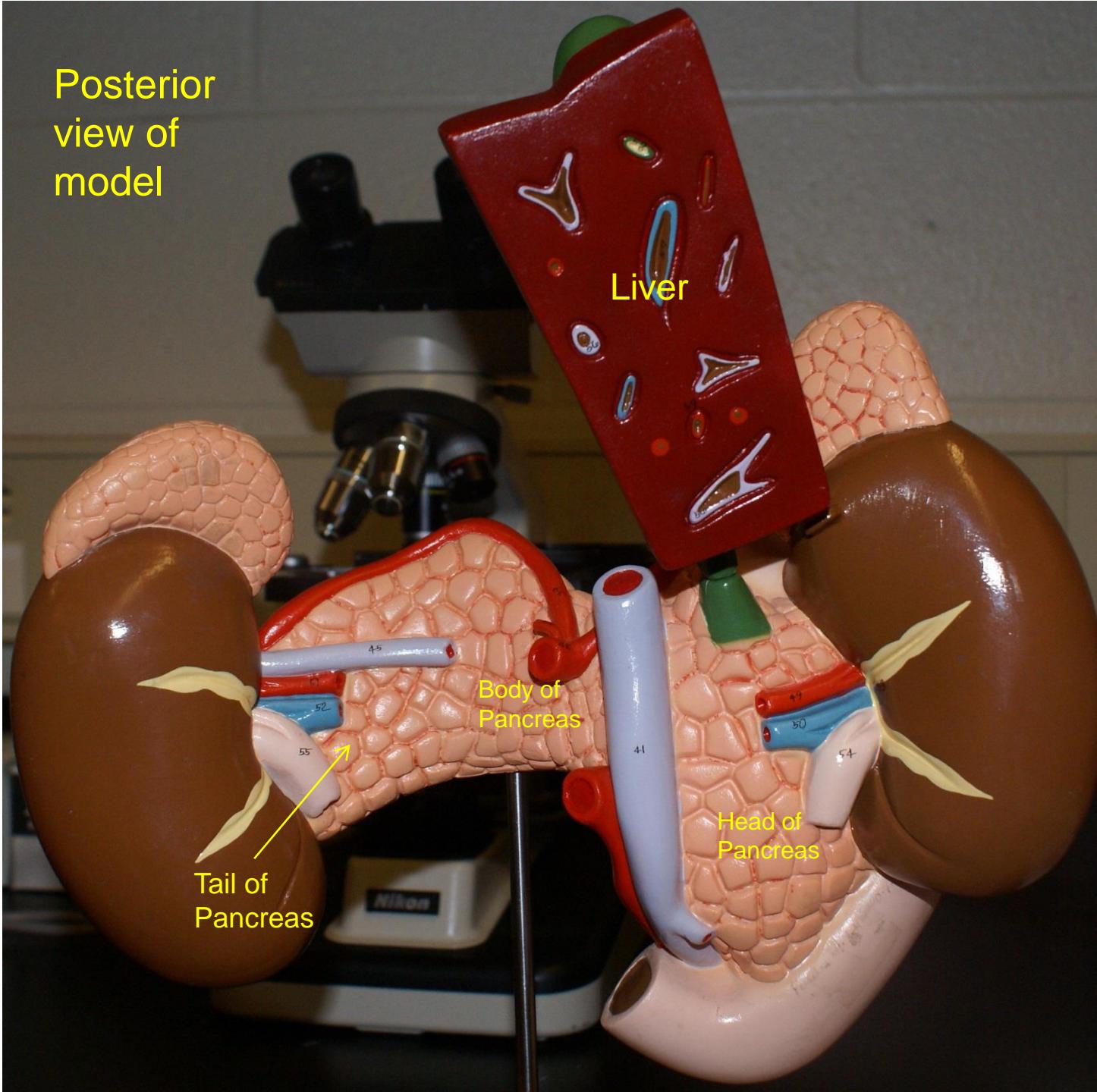
Accessory
Organs of the
Digestive System
Gall Bladder
Pancreas

Anterior view
of model

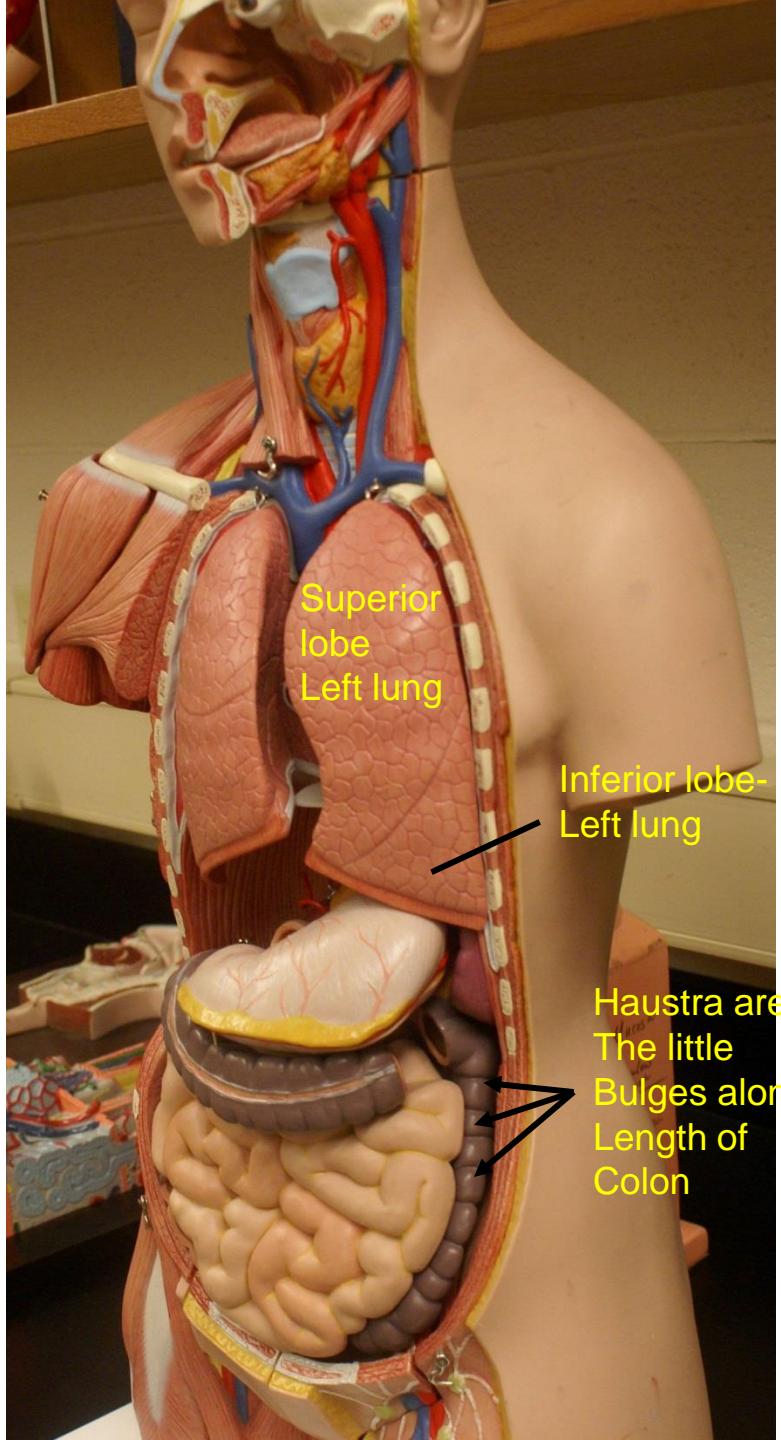
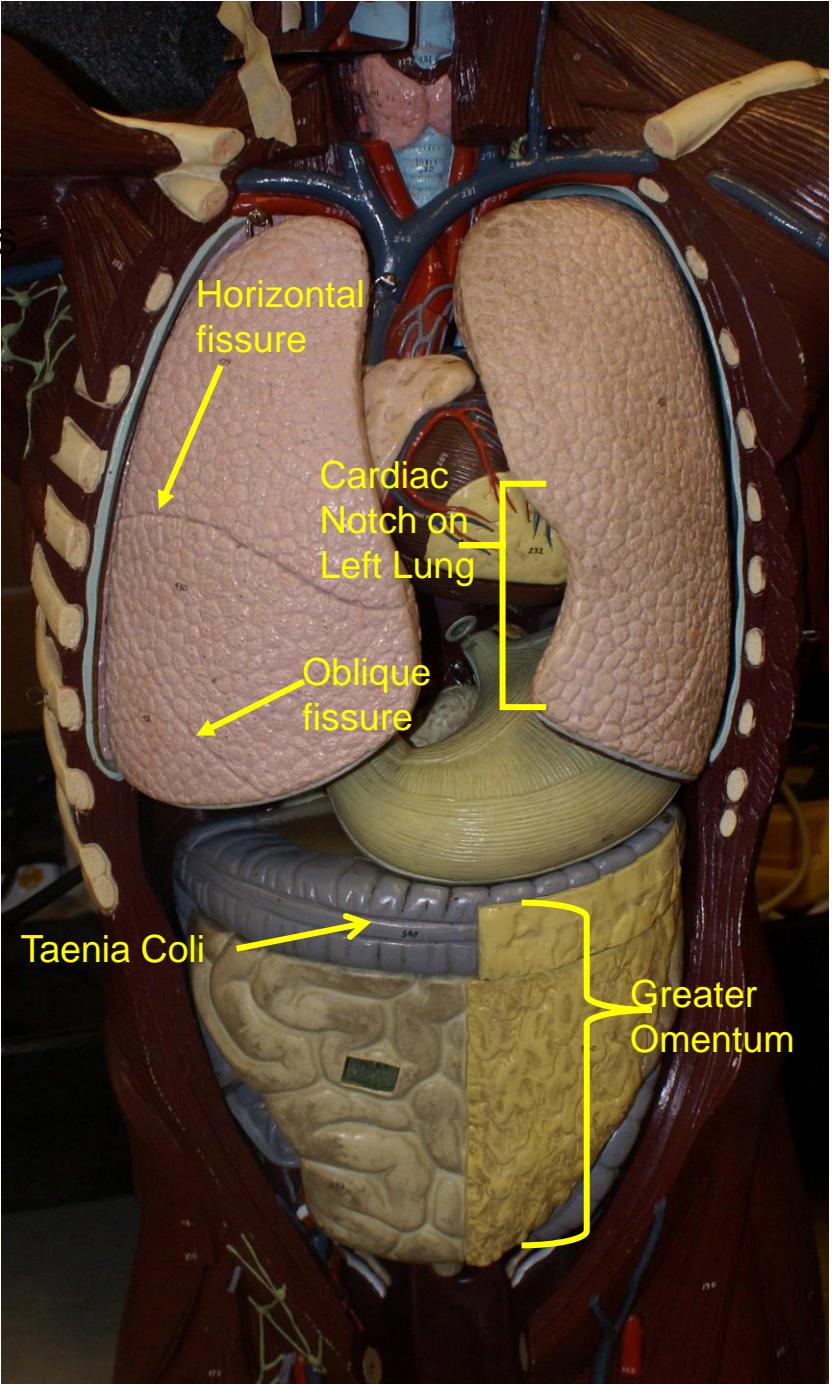


Accessory Organs of
the Digestive System
Liver
Gall Bladder
Pancreas

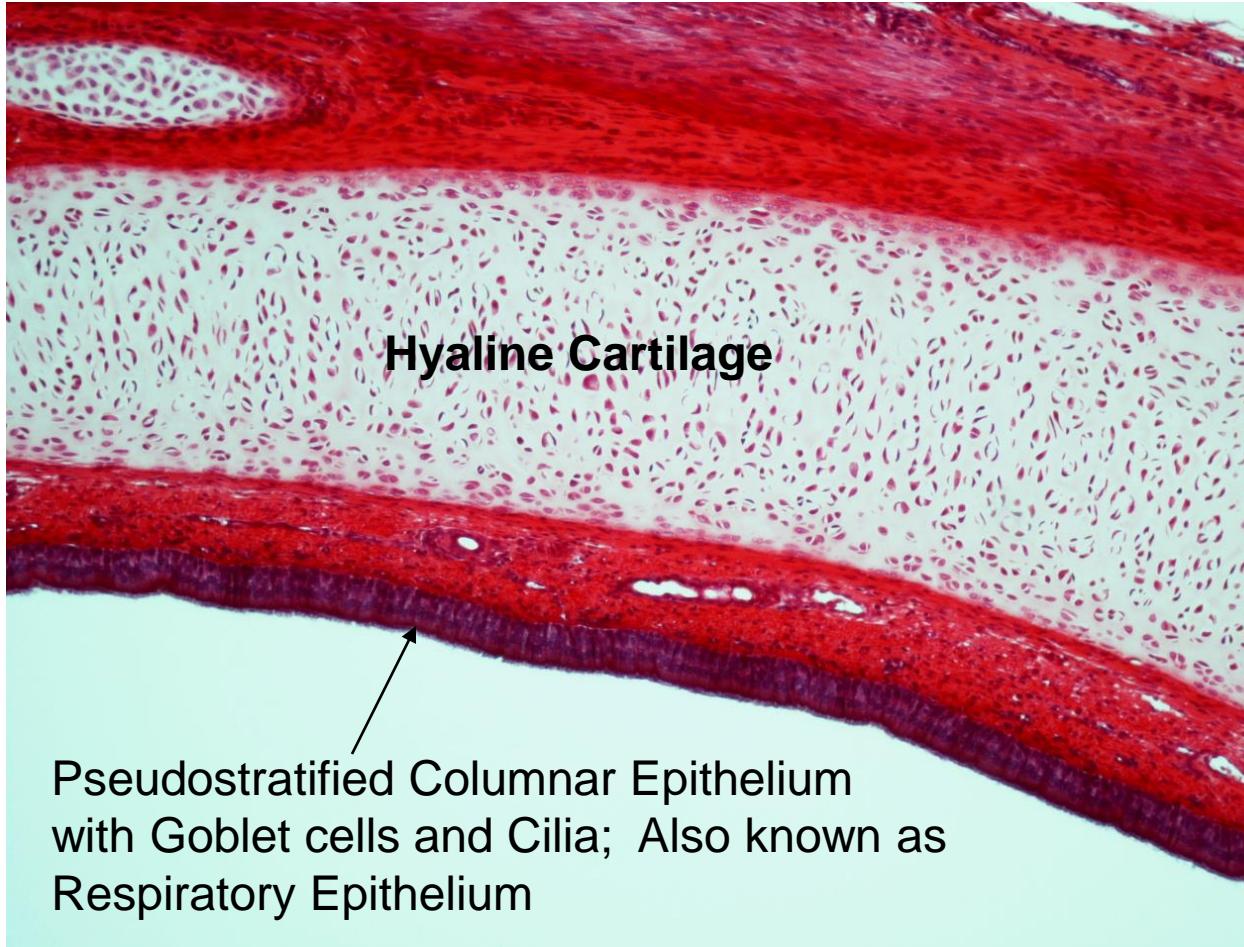
Posterior
view of
model



Review Respiratory and Digestive System Organs

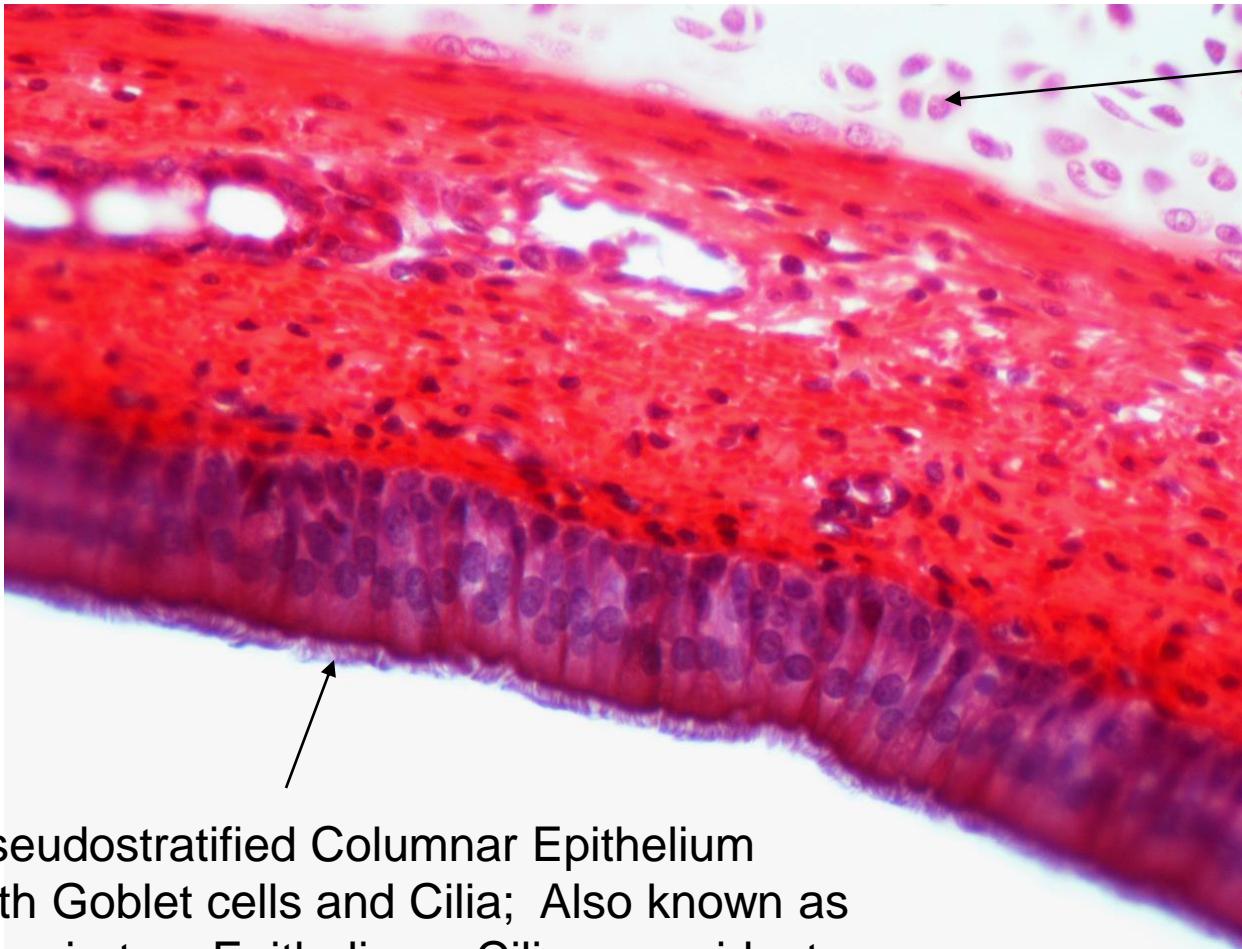


Pseudostratified Columnar Epithelium Trachea



Pseudostratified Columnar Epithelium

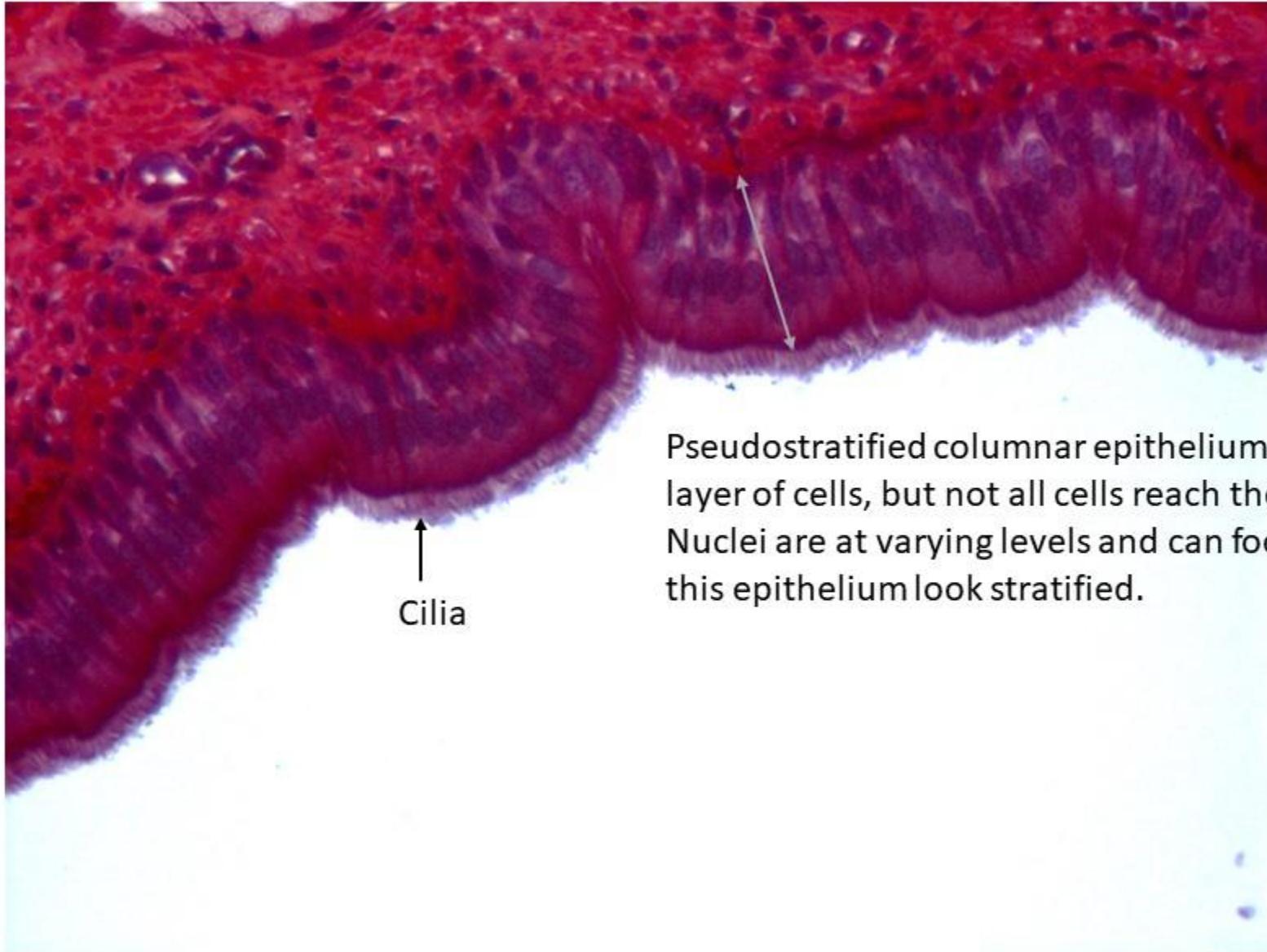
Trachea- Higher Magnification



Pseudostratified Columnar Epithelium with Goblet cells and Cilia; Also known as Respiratory Epithelium. Cilia are evident on surface.

Hyaline
Cartilage with
Chondrocytes
in lacunae

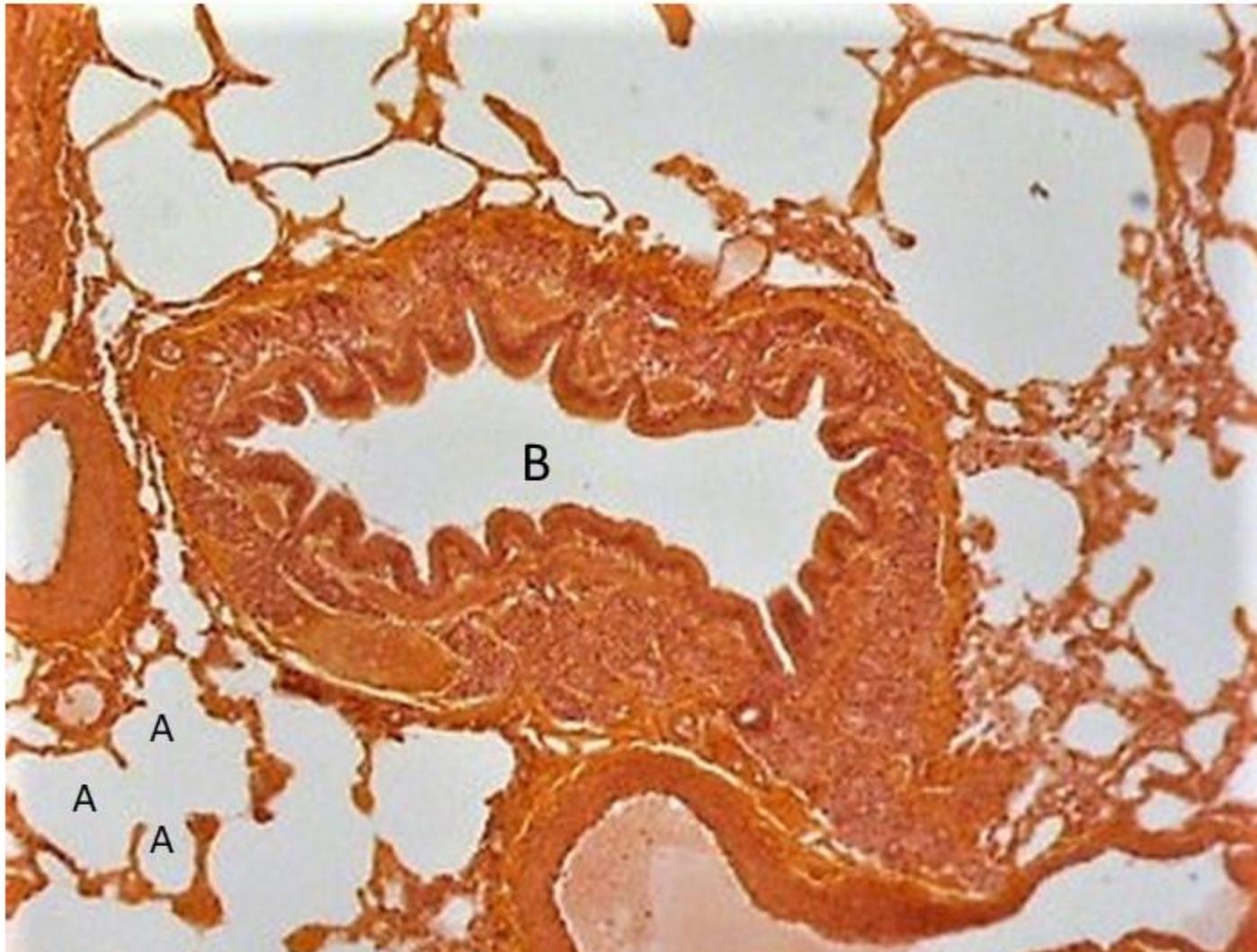
Pseudostratified Columnar Epithelium



Pseudostratified columnar epithelium. This is a single layer of cells, but not all cells reach the free edge or surface. Nuclei are at varying levels and can fool the eye making this epithelium look stratified.

Lung with Alveoli and Bronchus

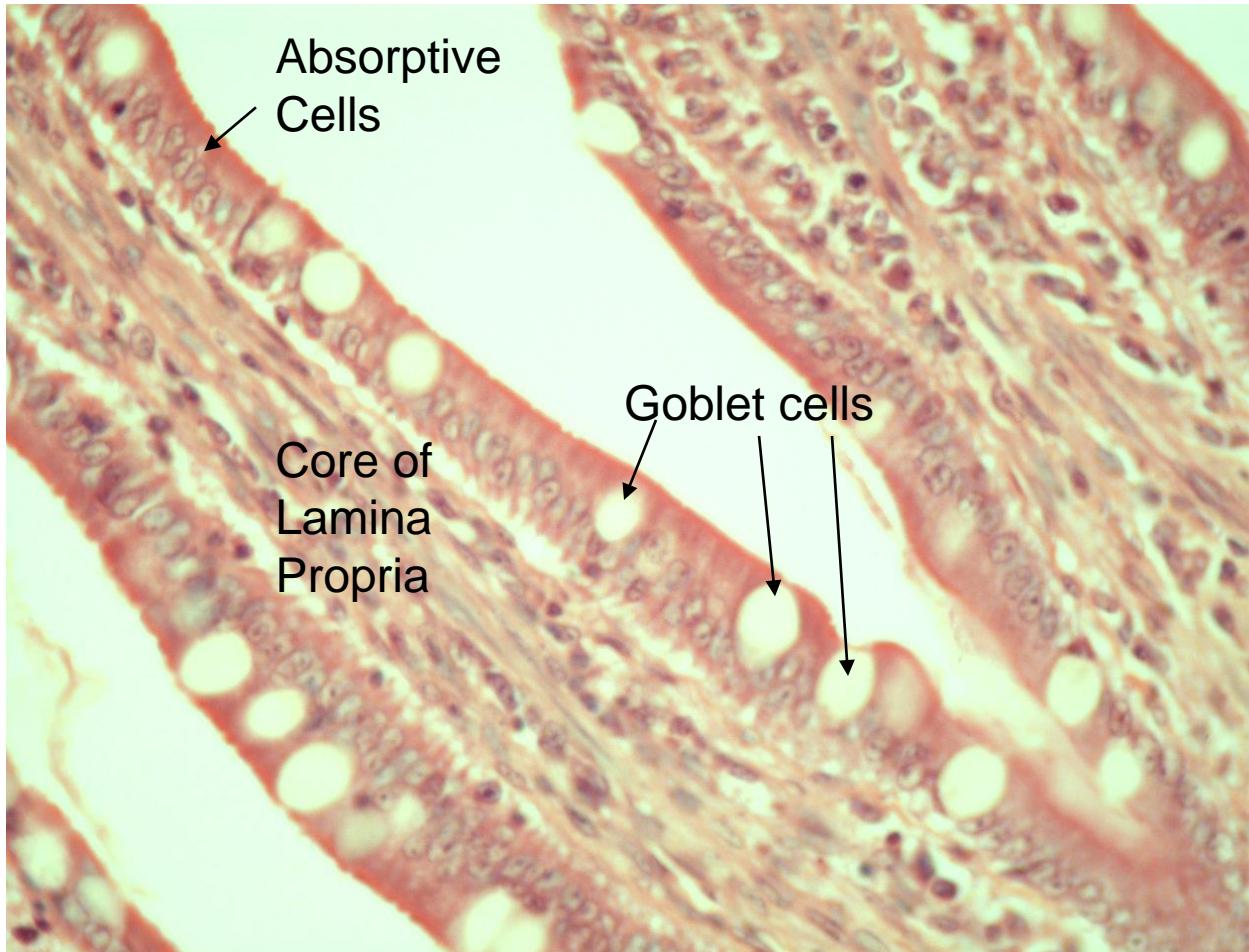
Lung with Alveoli (A) and Bronchus (B)



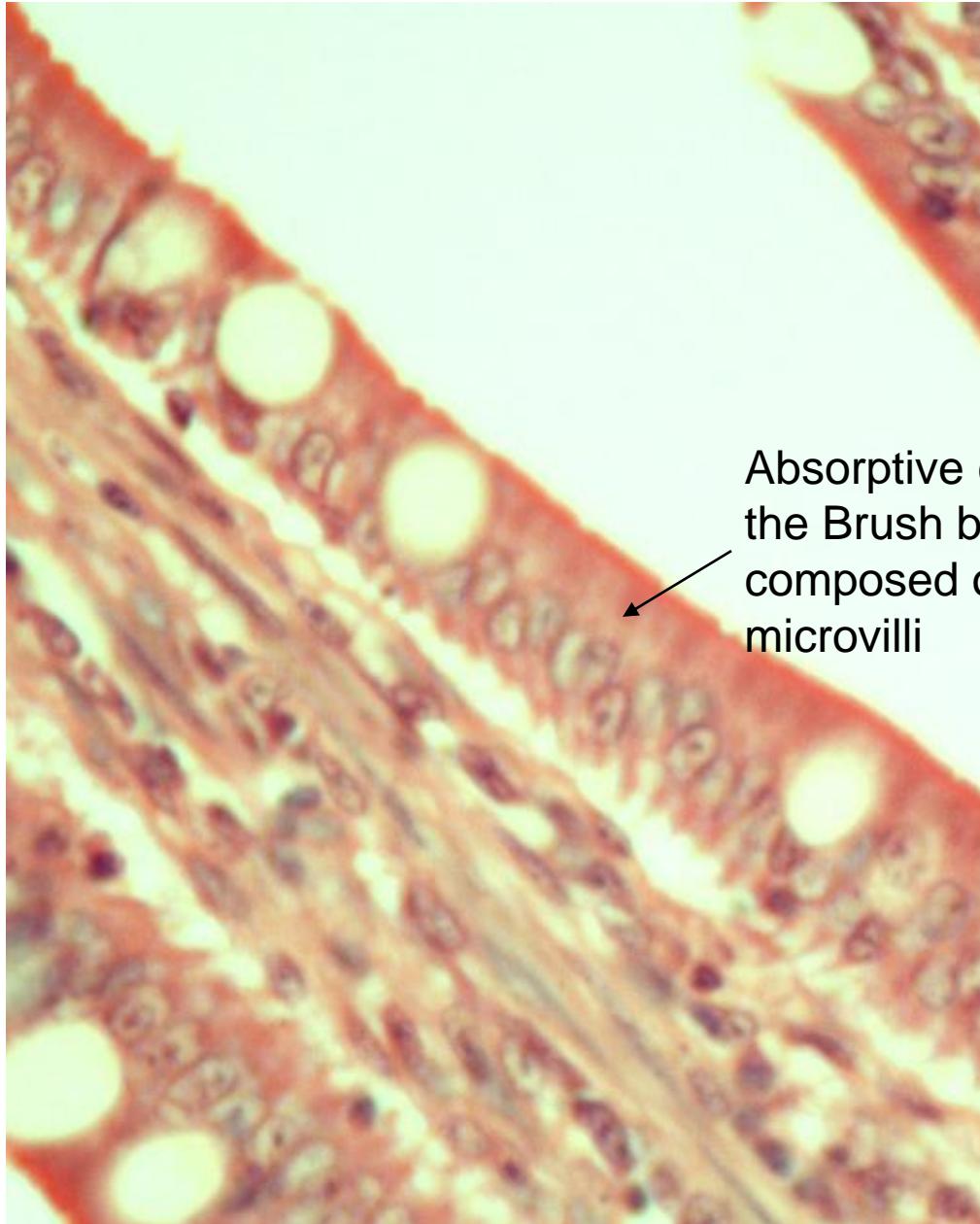
Small Intestine



Higher Magnification of Small Intestine Villi

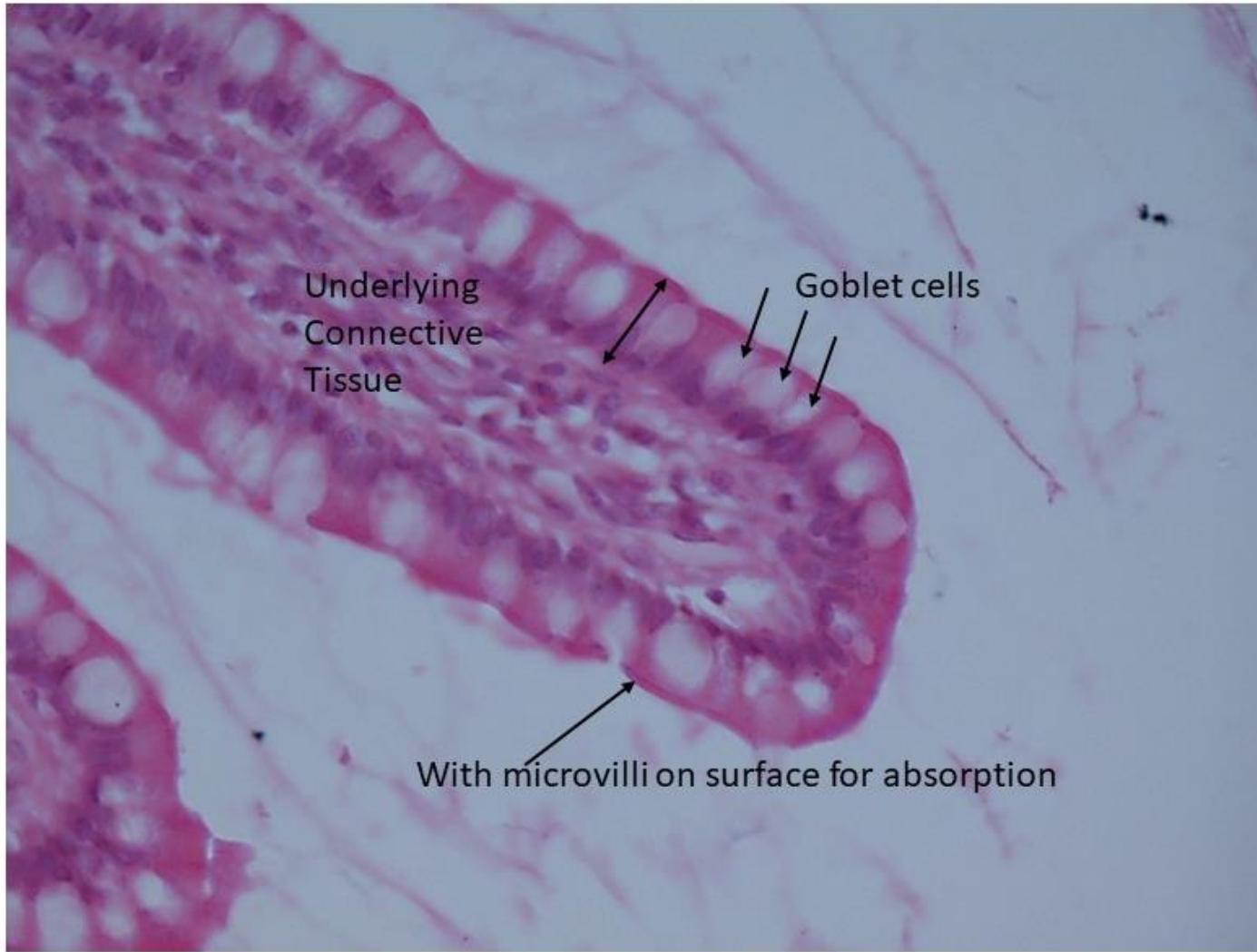


Intestinal
Villi-Brush
Border
composed
of microvilli
at surface



Higher Magnification of Small Intestine Villi

Simple Columnar Epithelium



Muscularis Layer of Small Intestine

Shows typical pattern of an inner circular and outer longitudinal layer

