

HUMAN ANATOMY & PHYSIOLOGY 2

STUDY GUIDE FOR LAB PRACTICAL

INSTRUCTOR: CJ SHUSTER

- you must also know all diagrams from your lab book (including associated word lists).
- you must know all microscope slides and dissections as outlined on this study guide.
- you are also responsible for the wall charts.

THIS IS A REVIEW, AND DOES NOT INCLUDE DRAWINGS, VALUES ETC. FROM THE MANUAL!!!!!! THIS IS NOT A CONTRACT!!! My only guarantee is that this will cover 90-95% of the items seen on the lab practicals.

CHAPTER 30-RESPIRATORY

A. FLAT MOUNT, THORAX MODEL & WALL CHART:

bronchioles
cricoid cartilage
diaphragm
epiglottis
esophagus
heart
hyoid bone
larynx
lobes of the lung
lungs
primary bronchus
secondary bronchus
thyroid cartilage
thyroid gland
trachea
tracheal cartilages

B. LARYNX MODEL & WALL CHART:

corniculate cartilages
cricoid cartilage
epiglottis
glottis
hyoid bone
thyroid cartilage
tracheal cartilages
vocal folds

C. MID-SAGITTAL SECTION OF HEAD MODEL, FLAT MOUNT, "BIG NOSE" with septum & WALL CHART:

cricoid cartilage
epiglottis
esophagus
eustacian (auditory) tube
frontal sinus
hard palate
hyoid bone
inferior nasal conchae
laryngopharynx
larynx
lingual tonsils
middle nasal conchae
nares
nasopharynx
oral cavity
oropharynx
palatine tonsils
pharyngeal tonsils
septum
soft palate
superior nasal conchae
tongue
thyroid cartilage
tongue
trachea
uvula
vocal folds
vestibular folds

Respiratory Wordlist (continued)

D. CAT DISSECTION

cartilagenous rings of the trachea
cricoid cartilage
diaphragm
esophagus
epiglottis
glottis
larynx
lobes of the lung
primary bronchi
secondary bronchi
thyroid cartilage
thyroid gland
trachea
lungs

E. SLIDES-LUNG & TRACHEA:

all layers of the trachea
alveoli, alveolar ducts, alveolar sacs
cartilaginous rings
goblet cells
hyaline cartilage
pseudostratified columnar
respiratory membrane
submucosa with glands
tissue layers of the trachea

Chapter Respiratory Anatomy:

A. In general, know all of these
Glottis (look it up in the text boo
Hyoid bone
Inferior Nasal Conchae
Laryngopharynx
Larynx
Lingual tonsils
Lobes of the lung

F. RESPIRATORY RESERVE
VOLUMES (including their descriptions;
see figure n lecture book):

tidal volume
inspiratory reserve volume
expiratory reserve volume
residual volume
total lung capacity
vital capacity
spirometer

G. LUNG/RESPIRATORY TREE MODELS:

All the lobes (and their
divisions) by name
Anything from the “Trachea
and Larynx” you can see
Lungs
Primary bronchi
Secondary bronchi
Tertiary bronchi
Thyroid cartilage
Thyroid gland
Trachea
Tracheal cartilages
Vocal folds/vocal cords

Guide for Respiratory Anatomy Labs

This is a guide for what the student should learn off of the various models, dissections, etc. This is a guide only; it is not an exclusive list.

Models/Charts found in Regular Lab & Learning Lab

Torso with ribs Model:

Any associated structure or other term you can see. See especially first figure in lab book, along with corresponding images in lecture book.

“Big Nose” Model:

Don't forget to remove the septum! See especially first figure in lab book, along with corresponding images in lecture book. There are several diagrams of a sagittal head in the lecture book.

½ head on stand Model:

Be able to ID it. See especially first figure in lab book, along with corresponding images in lecture book. There are several diagrams of a sagittal head in the lecture book.

½ head flat mount Model:

Be able to ID it. Any associated structure or other term you can see. See especially first figure in lab book, along with corresponding images in lecture book. There are several diagrams of a sagittal head in the lecture book.

½ head with larynx Model:

Be able to ID it. Any associated structure or other term (, etc.) you can see. See especially first figure in lab book, along with corresponding images in lecture book. There are several diagrams of a sagittal head in the lecture book.

Trachea & Larynx Model:

Be able to ID it. Any associated structure or other term (, etc.) you can see. See especially second figure in lab book, along with corresponding images in lecture book.

Respiratory Tree Model:

Be able to ID it. Any associated structure or other term (, etc.) you can see. There is an image in your lecture book that corresponds to this model.

Lungs Model:

Be able to ID it. Any associated structure or other term (, etc.) you can see.

freeze-dried lungs:

Know everything off the images in lab book.

Biomount:

Respiratory System Wall Chart:

Know everything off the images in lab book.

Slides:

lung	lung cancer
trachea	black lung
emphysema	