

HUMAN ANATOMY & PHYSIOLOGY 2

STUDY GUIDE FOR LAB PRACTICAL

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- 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 32-DIGESTIVE SYSTEM

A. GENERAL TERMS:

alimentary canal
gastrointestinal tract
accessory organs

B. ORAL CAVITY:

(an * indicates that you must know it from the cat dissections)

canine*
cementum
circumvallate
crown
dentine
enamel
esophagus*
filiform
fungiform
gingivae
hard palate*
incisor*
molars*
neck
oral cavity
oropharynx
papillae*
parotid salivary gland*
periodontal ligaments
pharynx*

premolar (bicuspid)*
pulp cavity
root canal
root
saliva
soft palate*
sublingual salivary glands
submandibular salivary glands*
taste buds
tongue*uvula

C. POSTERIOR ALIMENTARY CANAL (ALL = MODEL & CAT):

appendix
ascending colon
body
cardia
cardiac sphincter valve
cecum
colon
common bile duct
cystic duct
descending colon
diverticulum
duodenum
falciform ligament
fundus
gall bladder
gall bladder
greater omentum

Digestive Wordlist (continued)

haustra
hepatic duct
ileocecal valve
ileum
jejunum
large intestine
left lobe
liver
mesentery
mesocolon
pancreas
pancreas
pancreatic duct
peritoneum (visceral & parietal)
pyloric sphincter valve
pyloric
rectum
right lobe
rugae
sigmoid colon
small intestine
spleen
stomach
tenia
transverse colon
villi(us)

D. MODEL & DIAGRAM OF INTESTINAL VILLUS (*an * indicates you must also know it from the slides of the small intestines villus*):

duodenal glands*
goblet cell*
lacteal
lumen*
microvilli*
mucosae*
muscularis externa*
muscularis mucosa
plexus
serosa*
submucosa*

E. SLIDE & DIAGRAM OF TASTE BUD:

fungiform & circumvallate papillae*
gustatory cell*
gustatory hair*
gustatory pore*
taste bud*

F. SLIDE OF THE STOMACH:

gastric glands
gastric pit
mucosa
muscularis
parietal cell
submucosa

G. DUODENUM/SMALL INTESTINE SLIDE

columnar cells
duodenal glands*
goblet cell
lumen
lumen
microvillae
microvilli
mucosae
muscularis mucosa
muscularis externa
serosa
submucosa
villae

Guide for Digestive 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 Model:

Any associated structure or other term (, etc.) you can see. Especially gross visceral organs of alimentary canal & associated organs. As a guide, use Fig. 23.1 23.30 and 23.29 in lecture book.

Digestive Flat Mount Model:

Any associated structure or other term (, etc.) you can see.

Stomach Model:

Be able to ID it. Any associated structure or other term (, etc.) you can see. Be careful: the pancreas can be removed!! As a guide, use Fig 23.14 as a guide in lecture book.

Sagittal Head "standup" Model & ½ Head Section Model:

Any associated structure or other term (hard palate, etc.) you can see. As a guide, use Figs. 23.7, 23.8, 23.9, 23.10, 23.11 and 15.1 (taste bud) as a guide in lecture book.

Jaw Model:

Any associated structure. Take apart the jaw & teeth. As a guide, use Figs. 23.7, 23.8, in lecture book.

All Tooth Models:

Any associated structure, including parts of the tooth. Be able to ID teeth. As a guide, use Figs. 23.7, 23.8, 23.9, 23.10, 23.11 and 15.1 (taste bud) as a guide in lecture book.

Villus Model:

Any associated structure or other term (lacteal, etc.) you can see. ID the layers. As a guide, use Figs. 23.6 and 23.21 in lecture book.

Pancreas/Duodenum Model:

Any associated structure or other term you can see. As a guide, use Fig 23.20 as a guide in lecture book.

Liver Model:

Any associated structure or other term you can see. As a guide, use Fig 23.23 as a guide in lecture book.

Digestive Biomount:

Will not be on practical.

Plastic large & small intestines:

Will not be on practical.

Digestive Tissue Wall Chart:

Know everything off the images in lab book.

Digestive System Wall Chart:

Know everything off the images in lab book.

Digestive Laminated Chart:

Know everything off the images in lab book.

Dissections:

Get out your cat! See word list for details.

Slides: See lab book and word list.

Taste buds - ID it As a guide, use Fig 15.1 as a guide in lecture book.

"Duodenum/Ileum/Jejunum" slide - do not ID individual organs. Lab book has good example.

Ileum slide

Large Intestine slide

Stomach (either "frog" or "human")

NOTE: skip the Liver Slide in lab book!