

HUMAN ANATOMY & PHYSIOLOGY I

STUDY GUIDE FOR LAB PRACTICAL II

INSTRUCTOR: CJ SHUSTER

- you must also know all diagrams (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 22 - Brain

A. MODELS & DISSECTIONS (NOTE: an * indicates that you must know this structure from dissection):

aqueduct of sylvius (diagram only)
arachnoid mater
arbor vitae*
brain stem*
central sulcus*
cerebellum*
cerebral cortex*
cerebrum*
corpora quadrigemina*
corpus callosum*
dura mater*
epithalamus
folia
foramen of Monroe (diagram only)
fornix
fourth ventricle
frontal lobe*
grey matter*
gyrus
hypothalamus*
infundibulum*
intermediate mass of the thalamus*
lateral ventricle (diagram only)
lateral sulcus*
longitudinal fissure*
mamillary body*
medulla oblongata*
motor areas*
occipital lobe*
olfactory cortex
olfactory bulb*
optic chiasma*
parietal lobe*
parieto-lateral sulcus
Pia mater

pineal gland*
pituitary gland*
pons*
postcentral gyrus*
precentral gyrus*
sensory areas*
sulcus
temporal lobe*
thalamus*
third ventricle
transverse fissure*
white matter*

CHAPTER xx - CRANIAL NERVES:

know the names, function, and be able to locate on the model all 12 cranial nerves, as per the handout.

Guide for Brain 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

Brain Model:

Any associated structure or other term (frontal lobe, etc.) you can see. Includes going deep.

Sagittal Head Model:

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

Biomounts:

frontal section: see image in lab book

transverse section: see image in lecture book. Know any terms on the word list that is on this diagram.

sagittal section: find these structures: arbor vitae, brain stem, cerebellum, cerebral cortex, frontal lobe, grey matter, hypothalamus, medulla oblongata, pineal gland, pituitary gland, pons, thalamus, third ventricle, transverse fissure, white matter

Sheep Brains:

Know the words marked with an asterix on the word list. Look at a sagittal section, frontal section, whole brain with meninges, whole brain without meninges. Look at several of each.

Brain Chart:

If available, same as model

Slides:

None

Other

Plastinated Dura Mater

Human Brain in jar