

# General A & P

STUDY GUIDE FOR LAB PRACTICALS

INSTRUCTOR: CJ SHUSTER

<p><b>Chapter 14 Brain :</b></p> <p>A. In general, know all of these diagrams: image 14.1, image 14.3 &amp; image 14.4</p> <p>For many of the terms below, know them on a whole brain &amp; the sagittal section brain.</p> <p>B. GENERAL TERMS:</p> <p>1. Cerebrum</p> <p>i. <u>General terms:</u> Cerebral cortex (made of gray matter) Gyrus Sulcus White matter</p> <p>ii. <u>Specific parts:</u> Central sulcus Corpus callosum Frontal lobe Longitudinal fissure Motor areas Occipital lobe Olfactory bulb Parietal lobe Primary motor area (precentral gyrus) Somatic sensory area (postcentral gyrus) Sensory areas</p> <p>Temporal lobe Transverse fissure</p> <p>2. Diencephalon</p> <p>i. <u>Thalamus</u> Intermediate mass of the thalamus Pineal gland</p> <p>ii. <u>Hypothalamus</u> Mammillary body Optic chiasma Pituitary gland</p>	<p>3. Brain Stem Corpora quadrigemina Medulla oblongata Midbrain Pons</p> <p>4. Cerebellum Arbor vitae Fourth ventricle</p> <p>5. Other Arachnoid mater Dura mater Pia mater</p> <p>B.Also know:</p> <p><b><i>-know all 12 cranial nerves by name, order and function. Be able to ID the first 6 &amp; #10 off of the diagram in lab book.</i></b></p> <p><b><i>-off of the sheep brain dissection, know:</i></b></p> <p><b><i>a. Whole brain with meninges – dura mater, pia mater, pituitary gland, longitudinal fissure, transverse fissure</i></b></p> <p><b><i>b. Sagittal section: all the lobes, central sulcus, corpus callosum, longitudinal fissure transverse fissure, thalamus, hypothalamus, olfactory bulb, optic chiasma, brain stem, medulla oblongata, midbrain, pons, cerebellum, arbor vitae</i></b></p>
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## 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

#### Sheep Brains:

Sheep brain dissections are available at the back of the lab. Unless otherwise stated by the instructor, the student will not be responsible for these on the practical.

#### Brain Chart:

If available, same as model

#### Slides:

None

#### Other

Plastinated Dura Mater

Human Brain in jar

