

BIOL 1151L – Neuroanatomy Identification Sheet - Spring 2009

You should be able to identify all of the following structures on a dissected sheep brain, as well as on a model of the human brain. Consult your laboratory website (WebCT) to guide you, and/or use your textbook. You may also wish to view/review the Sheep Brain Dissection Video (on reserve in the library OR purchased from Media Services located in the basement of the library)

Whole Brain – Ventral Side

1. Dura mater
2. Olfactory bulbs
 - a. Olfactory nerve (I)
3. Optic chiasma
 - a. Optic nerves (II)
4. Pituitary gland (hypophysis) *if visible*
5. Infundibulum
6. Mammillary body
7. Oculomotor nerve (III)
8. Pons
9. Medulla
10. Cerebellum
11. Spinal cord

Whole Brain – Dorsal Side

1. Olfactory bulb
2. Cerebrum
3. Longitudinal fissure
4. Sulci
5. Gyri
6. Diencephalon
7. Midbrain
8. Pineal body
9. Corpora quadrigemina
 - a. Superior colliculus
 - b. Inferior colliculus
10. Cerebellum
11. Medulla Oblongata

Midsagittal Section

1. Corpus callosum
2. Olfactory bulb
3. Cerebrum
4. 3rd and 4th ventricles
5. Cerebral aqueduct
6. Pineal body
7. Cerebellum
 - a. Arbor vitae
8. Medulla oblongata
9. Pons
10. Infundibulum

Coronal Section

1. Lateral ventricles
2. Third ventricle
3. Thalamus

Spinal Cord Models Section

1. Central canal
2. Ventral root
3. Dorsal root
 - a. Dorsal root ganglion
4. Spinal nerve
5. White matter
6. Gray matter
 - a. Anterior horn
 - b. Posterior horn
7. Anterior median fissure