

Psychology 100 Lab: Brain Structure and Function

In this lab you will explore the basic structures of the brain and learn about their functions.

Instructions for collecting data and writing the lab report:

- 1) Go to the following web address:
http://www.brainline.org/multimedia/interactive_brain/the_human_brain.html?gclid=CPPC_afGosACFUw2aQodHCUA9A
(It might be useful to copy and paste this from the pdf for this lab that can be downloaded from the class web page.)
- 2) Start with the “lateral” view of the brain. Move your mouse over the brain to Highlight different brain structures. Select *any two* regions of the brain and list the functions that they perform and give one example of how an injury to that part of the brain might affect you.
- 3) Now select the “medial” view of the brain. Select *two different* structures from the ones you looked at before and follow the same instructions as in the previous step.
- 4) Make a rough sketch of the lateral view of the brain. You will *not* be graded on your artistic ability! Shade in the areas of the brain that you studied in Step # 2 above.

Instructions for Writing Your Lab Report

1. Select two lateral exterior brain structures and two medial interior brain structures that were especially interesting to you.
2. Your lab report should consist of four double-spaced paragraphs. Each paragraph should have a heading that is the name of the brain structure that the paragraph is about. Please WRITE IN COMPLETE GRAMMATICALLY CORRECT SENTENCES – DO NOT JUST USE BULLET POINTS. The lab report is a writing exercise, so work on your communication skills accordingly.
3. In each paragraph, describe the following things:
 - a. Where in the brain is the structure located? Do your best to use precise language.
 - b. What are the primary functions of the brain structure? You may use your textbook, the PPT slides, and the website as resources for this.
 - c. Given what you have learned about the functions of the brain structure, speculate about what other types of functions that this brain structure might reasonably be involved with, and explain why you believe that your hunches about this make sense.
 - d. What effects would an injury to this part of the brain be likely to produce?
4. Include the sketch that you drew of the brain during the lab.