

Name: _____

ID: _____

Course: Psych 1100 Section: _____

Date: _____

Stimulation: Neurons and Neural Impulses

1. Describe two functions of glial cells.
2. Draw and describe the structure of a neuron.
3. Explain what the myelin sheath is.
4. Explain how the cell membrane enables the transmission of ions.
5. What are the most important positive and negative ions?

6. Describe an action potential.

Stimulation: Chemical Messengers and their Effects

1. Describe and distinguish between a synapse and synaptic vesicles.
2. Explain the processes of excitation and inhibition.
3. Explain how the process of enzyme breakdown and reuptake operate.
4. Explain the difference between neurotransmitters and hormones.

5. Explain how acetylcholine works.

6. What is the major gland in the endocrine system? Which brain structure controls this gland?

7. Which endocrine system structure secretes melatonin?

Simulation: Major Brain Structures and Functions

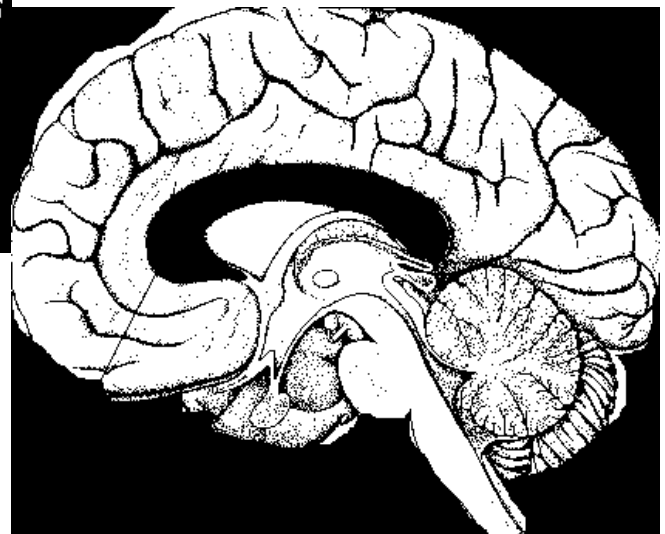
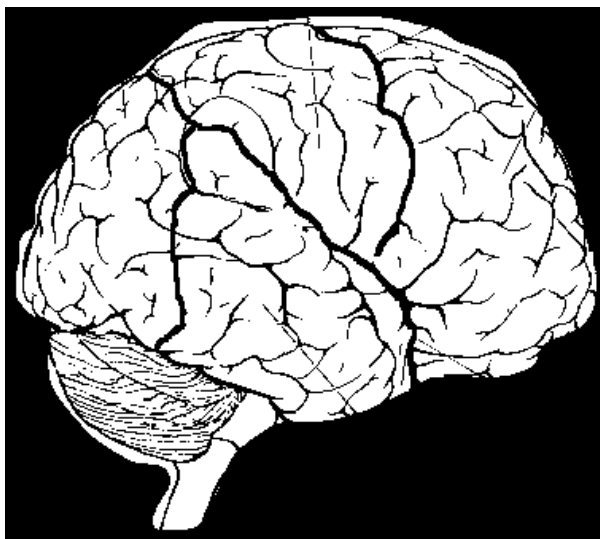
1. Please describe two structures and their functions in the Brain Stem.

2. Describe three structures and their functions in the limbic system.

3. Describe the cerebral cortex.

4. Identify the locations of the following structures of the brain, and give a one-word function for each.

Structure of the brain	Medulla	Pons	Cerebellum	Hypothalamus	Limbic	Hippocampus
Function						



Structure of the brain	Amygdala	Occipital Lobe	Frontal Lobe	Association Cortex	Corpus Callosum	Parietal Lobe
Function						