## Psychology: Chapter Two Study Guide

Reading Material:

* Text pp. 40-75
* Dueling Neurosurgeons (chapter one)
* PPP ch2

Learning Objectives/Questions (place in notebook)

* 1. What are the major divisions of the human nervous system?
  2. What are neurons and how do they work?
  3. What are the functions of the different parts of the central nervous system?
  4. How are the endocrine glands connected to the nervous system?
  5. How do hormones affect our thoughts and behavior?
  6. What effects do hormones have on the immune system?
  7. How do people study the brain?
  8. What advances have made the brain easier to study?
  9. What are some recent innovations in neuroscience?
  10. List the different parts of the brain and what each part does.
  11. How do the right side and left side of the brain differ?
  12. How do genetic factors determine who we are?
  13. How do heredity and environmental factors interact to affect our development?
  14. How do evolved tendencies influence our behavior?

Chapter Two Vocab (place in notebook)

**Mod Four Vocab**

Neuron

Dendrites

Soma

Axon

Myelin

Action potential

Axon terminals

Synaptic vesicles

Neurotransmitter

Receptor sites

Central Nervous System

Sensory Neuron

\*Motor Neuron

Interneuron

Peripheral Nervous System

Autonomic Nervous System

Sympathetic division

Parasympathetic division

Endocrine Glands

Hormones

Pituitary gland

Pineal gland

Thyroid gland

Pancreas

Adrenal glands

Gonads

**Mod Five Vocab**

Deep lesioning

CT Scan

MRI

PET

Functional MRI

EEG

Neuroplasticity

Stem cells

Medulla

Pons

Reticular formation

Cerebellum

Limbic system

Thalamus

Hypothalamus

Homeostasis

Hippocampus

Amygdala

Cortex

Cerebral hemisphere

Corpus callosum

Occipital lobe

Parietal lobe

Somatosensory cortex

Temporal lobes

Motor cortex

Frontal lobes

Association areas

**Mod Six Vocab**

Nature

Nurture

DNA

Gene

Chromosome

Dominant

Recessive

Predisposition

Evolution

Natural selection