## **Lab #1: Brain Surgery for Beginners**

**Directions**: You will construct a model of the human brain. Play dough is a pretty typical material, but you can draw if you are gifted in that respect. Use your book, as well as handouts to locate and identify the major brain areas listed below. Not only will you need to locate these structures in your model, you will need to **briefly describe what each area does (on separate paper).**

**Structures to identify and describe**:

Cerebral Cortex

Thalamus

Hypothalamus

Brain Stem (medulla, midbrain, pons)

Hippocampus

Cerebellum

Pituitary Gland

Corpus Callosum

Areas to Identify and describe:

### Frontal Lobe

Parietal Lobe

Occipital Lobe

Temporal Lobe

Right Hemisphere

Left Hemisphere

You will also need to model a neuron and identify its major structures:

Cell Body

Axon

Dendrites

Direction of Nerve Impulse (you can just draw an arrow next to the model)