Name Date

1. Using the diagram below, label the parts of the brain listed in the table and provide a brief explanation or definition of that part’s function.

|  |  |
| --- | --- |
| **Part of Nervous System** | **Function** |
| Cerebrum |  |
| Cerebellum |  |
| Medulla Oblongata |  |
| Pons |  |
| Pituitary Gland |  |
| Retina |  |
| Frontal Lobe |  |
| Temporal Lobe |  |
| Parietal Lobe |  |
| Occipital Lobe |  |
| Beginning of Spinal Cord |  |



1. Below is a graph of the electrical activity of a neuron called an action potential. Indicate what is occurring to sodium and potassium ions in a neuron for each labelled letter on the graph (are sodium and potassium inside or outside the nerve cell)?



1. Label the Neuron below. Next to each part, provide its function. Please label the synapse as well.





1. This second neuron is called the “post synaptic neuron.”

Why?

1. For both cells, show the direction of electrical activity by

drawing arrows.