Anatomy of the Central Nervous System

DIRECTIONS
For each of the following diagrams:

- color each of the labeled parts a different color
- next to each label, briefly describe the function of that part

A list of the different structures is provided below:

(DON’T describe the functions on this page! Write them on the DIAGRAM PAGES.)

THE NEURON

1. cell body
2. dendrite
3. axon
4. axon branches
5. terminal buttons (AKA axon terminals)

THE SYNAPSE

1. axon branch
2. terminal button (AKA axon terminals)
3. dendrite
4. synapse
5. synaptic vesicle
6. neurotransmitters
7. receptors

AN INTERIOR VIEW

1. cerebral cortex
2. thalamus
3. hypothalamus
4. pituitary
5. hippocampus
6. amygdala
7. corpus callosum
8. reticular formation
9. pons
10. cerebellum
11. medulla

THE CEREBRAL CORTEX

1. frontal lobe
2. parietal lobe
3. occipital lobe
4. temporal lobe
5. primary motor cortex
6. primary somatosensory cortex
7. Wernicke’s area
8. Broca’s area
The Synapse

Axon Branch
Terminal Button
Dendrite
Synapse

Synaptic Vesicle
Neurotransmitters
Synapse
Receptors