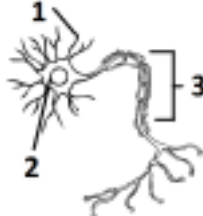




Chapter 8 Review Guide

You'll want to study your notes. For the test you'll *definitely* have to do the following:

- identify parts of neuron



- 1. Dendrites**
- 2. Cell Body**
- 3. Axon**

- distinguish between white and gray matter **gray - no myelin, more cell bodies**
white - myelin, more axons, more inside brain **outer part**
- Answer true/false questions about the following terms: meninges, gray matter, myelin, white matter, ganglia, neurotransmitters, sensory neurons, motor neurons
- describe how neurons work *in detail*. Should have at least 4 steps.
 - 1) electrochemical impulse down axon**
 - 2) @ end of neuron - synapse (gap btwn neurons)**
 - 3) neurotransmitter released into synapse**
 - 4) dendrite receives, next neuron fires**
- match parts of brain with their function
 - Review Notes (15 points)
- match diseases/injuries to NS with a description
 - Review Notes (9 points possible)
- Identify the different types of receptors and types of senses
 - pain receptors - sensitive to strong stimuli, lasts short time**
 - mechanoreceptors - touch, pressure in skin**
 - thermoreceptors - sensitive to temperature difference**
 - chemoreceptors - taste, smell, sensitive to chemicals**
 - special senses - sight, hearing, smell, taste, balance**
 - somatic senses - include mechoreceptors, thermoreceptors**
- match parts of eye with their description (as covered in notes) **(pressure, temp)**
 - Review Notes (up to 10 pts possible)
- describe how rods and cones work to give us vision (and their specific roles)
 - rods - only b/w, good in near darkness, detect light well**
 - cons - color (red, green, blue)**
- answer a handful of random questions from the notes (up to 10pts max)
- Study your notes!!