

## *Nervous System, Brain, & Senses*

### *Test Review Sheet*

1. *How are motor neurons & sensory neurons different? How do they relate to intergration?*
2. *What 2 components make up the CNS and what is its function?*
3. *What are the 2 types of nerves that make up the PNS? (Use the A & E words)*
4. *Know the functions of each component of a neuron: **axon, dendrites, myelin sheath, nodes of ranvier, axon terminal.***
5. *Know the functions of the 4 supporting cells of the CNS: **Oligodendrocytes, Ependymal Cell, Microglia, Astrocytes.***
6. *Know the functions of the 2 supporting cells of the PNS: **Schwann's cells & Satellite cells.***
7. *What charged ions are primary players for acting & resting potential? Describe the ion concentrations inside & outside the neuron during resting potential. Describe how the ions move during action potential.*
8. *Describe how the Sympathetic & Parasympathetic nervous system work together and provide at least 3 examples of its function.*
9. *Where are the nerves of the Sympathetic NS located? What is its nickname?  
Where are the nerves of the Parasympathetic NS located? What is its nickname?*
10. *Describe the steps of an arc reflex.*
  
11. *What are the 3 divisions of the brain?*
12. *Know the functions of the following components of the brain: **Diencephalon, Telencephalon, Metencephalon, Myelencephalon, & Midbrain.***
13. *Know the 4 lobes of the cerebrum and their function.*
14. *Know the 2 types of matter that make up the spinal cord, including ascending & descending tracts.*
15. *Be able to match the following disorders to their description: **Alzheimer's, Cerebral edema, Cerebrovascular accident, Coma, Concussion, Contusion, Intracranial hemorrhage, Multiple sclerosis, & Transient Ischemic Attack.***
  
16. *Know the 3 tunics of the eye.*
17. *Know the functions of the following components of the eye: **Cornea, Iris, Pupil, Lens, Rods, Cones, Macula, Fovea centralis, Blind spot, Aqueous humor, Vitreous humor.***
18. *Be able to describe the following eye disorders and how they occur: **Myopia, Hyperopia, Conjunctivitis, Glaucoma.***
19. *Know the functions of the outer, middle, & inner ear.*
20. *Know the function of the following components of the ear: **Auricle, External auditory canal, Tympanic membrane, Auditory ossicles, Eustachian tube, Oval window, Round window, Cochlea, & Semicircular loops.***
21. *Be able to describe the following ear disorders and how they occur: **Ear infections & deafness.***
22. *Be able to label the following diagrams:*

