Nervous System

1. Discuss the organization of the nervous system and the sub grouping within it.

2. Draw and label a simple motor neuron and state the function of each part.

3. Distinguish between the sensory, motor and interneuron. Give the function of each. Draw.

4. Draw and label a reflex arc and explain how it functions.

5. Differentiate the overall functions, structure and control of the sympathetic and parasympathetic divisions of the autonomic nervous system (A.N.S.)

6. Draw and identify components of a synapse and explain how an impulse travels across the synaptic cleft.

7. Explain how a nerve impulse is transmitted through a neuron (using the terms resting potential and action potential.

8. Relate the one way nature of the action potential to its method of propagation.

9. Relate the structure of myelinated nerve cells to their efficiency of conduction

10. Differentiate central and peripheral nervous system with respect to location, structure and function

11. Differentiate somatic and autonomic nervous system with respect to location, structure and function

12. Differentiate sympathetic and parasympathetic nervous with respect to location, structure and function

13. Draw, idetify and state the functions for the following parts of the brain: medulla oblongata, cerebrum, cerebellum, thalmus, hypothalmus, corpus collasum, pituitary

14. List the four lobes of the cerebral cortex and activities of each.

15. Identify the stages of sleep as depicted by EEG wave patterns

16. Differentiate short term and long term memory

17. Describe what happens during REM sleep

18. Describe the differences between left and right brain activity

19. What are the effects of morphine, nicotine, alcohol, caffeine and aspirin on the nervous system.