**Study Guide Unit 2 HBS**

* Be able to identify the following parts of the brain: Cerebellum, Parietal Lobe, Frontal Lobe, Pons, Medulla Oblongata, Temporal Lobe, Occipital Lobe
* Be able to identify the following parts of the eye and describe their function: Cornea, Pupil, Iris, Retina, Lens, Sclera, Optic Nerve, Vitreous Humor
* Be able to identify the following parts of a motor neuron: Axon, Myelin Sheath, Axon Terminals, Nodes of Ranvier, Cell Body, Nucleus, Dendrite
* Be able to identify the following parts or structures that play a role in the neuromuscular junction: Axon, Postsynaptic terminal, Synaptic Vesicle, Dendrite, Presynaptic Terminal, Neurotransmitter, Neurotransmitter, Synaptic Cleft
* Be able to identify the parts involved in a reflex arc: Interneuron, Sensory Neuron, Effector Muscle, Spinal Cord, Motor Neuron, Stimulus, Synapse
* Be able to describe the function of the following parts of the brain: Brain Stem, Central Nervous System (CNS), Gyrus, Peripheral Nervous System (PNS), Sulcus
* Be able to describe the study of phrenology
* Be able to match the regions/structures of the brain with its function: Amygdalla, Brain Stem (Pons, Medulla Oblongata), Cerebellum, Frontal Lobe, Hippocampus, Hypothalamus, Limbic System, Occipital Lobe, Parietal Lobe, Temporal Lobe
* Be able to describe the relationship between the CNS and PNS
* Be able to define/describe the following: Action Potential, Axon, Dendrite, Ion, Myelin Sheath, Neuron, Neurotransmitter, Reaction Time, Reflex, Synapse
* Be able to explain what a neurologist does
* Know where each of the neuron types (sensory, motor, interneurons) are found and what their primary function is
* Be able to order the stages of an action potential. What happens at 2.2.d on your study guide for 2.2?
* Be able to describe the charge inside and out of the membrane at resting (2.2.d)
* Be able to describe the interaction between two neurons at a synapse. What happens at 2.2.a on your study guide for 2.2?
* Be able to describe the difference between reaction time and a reflex.
* Be able to describe the function of the following glands: Endocrine, Exocrine
* Be able to describe the function of the Endocrine System and hormones
* Be able to describe the feedback loop for regulating blood sugar level
* Be able to describe the feedback loop for regulation of metabolism
* Be able to identify what conditions occur due to inadequate or overproduction of specific hormones (2.3.e)
* Know what accommodation and refraction are in reference to eye function
* Be able to describe the difference3 between a rod and a cone
* Know the order of the parts of the eye through which light passes
* Be able to describe 20/20 vision and what would be considered “worse” or “better”
* Be able to describe the following eye tests, eye conditions, and/or treatments: After image, Astigmatism, Blind Spot, Depth Perception, Hyperopia, Myopia

\*\* Test format: 35 Labeling with word banks, 42 Matching, 12 Multiple choice, 2 sequence the events, 2 short answer