

Directions: Choose the letter of the correct answer.

1. Neurons that control peristalsis belong to which group of neurons?
 - a. Motor system
 - b. Parasympathetic
 - c. Sympathetic
 - d. Enteric

2. Neurotransmitter associated with forming long-term memory.
 - a. Acetylcholine
 - b. Glutamate
 - c. GABA
 - d. Serotonin

3. This insulates most parts of the axon, thereby helping speed up nerve transmission.
 - a. Synapse
 - b. Nodes of Ranvier
 - c. Myelin sheath
 - d. Glia

4. These factors produce a nerve signal.
 - a. Stimulus
 - b. Neurotransmitters
 - c. Cerebrospinal fluid
 - d. Action potential

5. These neurons relay signals from the central nervous system to cells which will enact them.
 - a. Sensory neurons
 - b. Interneurons
 - c. Motor neurons
 - d. Effector cells

6. The forebrain in the embryo will develop into the following structures, except?
 - a. Hypothalamus
 - b. Pituitary Gland
 - c. Pineal Gland
 - d. Pons

7. The following conditions stem from direct changes in the brain's physiology, except?
 - a. Alzheimer's
 - b. Schizophrenia
 - c. Depression
 - d. Stroke

8. This part of the brain is involved in forming and recollecting memories.
 - a. Thalamus
 - b. Hypothalamus
 - c. Hippocampus
 - d. Amygdala

9. This part of the brain is considered the "homeostatic control center".
 - a. Brainstem
 - b. Hypothalamus
 - c. Cerebellum
 - d. Medulla oblongata

10. What facilitates the coordination between the left and right brain hemispheres?
 - a. Corpus callosum
 - b. Cerebral cortex
 - c. Cerebrum
 - d. Limbic system

11. This bone is also known as the stapes.
 - a. Hammer
 - b. Anvil
 - c. Stirrup
 - d. None of the above

12. Receptors that detect heat and cold are called?
 - a. Chemoreceptors
 - b. Mechanoreceptors
 - c. Pain receptors
 - d. Thermoreceptors

13. This eye condition is caused by the clouding of the lens.
 - a. Nearsightedness
 - b. Farsightedness
 - c. Astigmatism
 - d. Cataracts

14. The flavor umami is induced by which compound?
 - a. Glutamate
 - b. Rhodopsin
 - c. Photopsin
 - d. All of the above

15. These taste buds help inform us if we are ingesting a possibly toxic substance.
 - a. Fungiform papillae
 - b. Goblet papillae
 - c. Foliate papillae
 - d. Filiform papillae