1. Who conducted experiments showing that rats could control their heart rates in anticipation of a water reward?

a. David Blaine.

b. Santiago Ramón y Cajal.

c. Camillo Golgi.

d. Neal Miller.

2. Who endorsed the neuron doctrine?

a. David Blaine.

b. Santiago Ramón y Cajal.

c. Camillo Golgi.

d. Neal Miller.

3. What type of cell helps to transport essential nutrients from the blood into the brain?

a. Bipolar neurons.

b. Unipolar neurons.

c. Astrocytes.

d. Oligodendrocytes.

4. Where are most of the brain’s neurons found?

a. Cerebral cortex.

b. Hippocampus.

c. Cerebellum.

d. Autonomic nervous system.

5. The fight-or-flight response is associated with activation of \_\_\_\_\_\_\_\_.

a. The sympathetic nervous system.

b. The cerebellum.

c. The parasympathetic nervous system.

d. Neurogenesis.

6. How much of the body’s fuel is used by the brain?

a. 5%.

b. 10%.

c. 25%.

d. 40%.

7. Which of the following is not part of the brainstem?

a. Forebrain.

b. Reticular formation.

c. Pons.

d. Medulla oblongata.

8. Tests that police officers might use to determine whether individuals are intoxicated typically assess the function of what brain structure?

a. Cerebral cortex.

b. Medulla oblongata.

c. Reticular formation.

d. Cerebellum.

9. Which of the following helps to connect the two sides of the brain?

a. Reticular formation.

b. Periaqueductal gray.

c. Pons.

d. Corpus callosum.

10. Which of the following structures is critical for the regulation of movement?

a. Hypothalamus.

b. Globus pallidus.

c. Amygdala.

d. Temporal lobe.

11. Where might you find that most cortex is devoted to visual processing?

a. Frontal lobe.

b. Parietal lobe.

c. Occipital lobe.

d. Temporal lobe.

12. What is meant by the term *lateralization*?

a. The two brain hemispheres are connected.

b. The extremities of the body are represented on the outside of the brain.

c. There are functional differences between the two hemispheres.

d. Epilepsy spreads from the center of the brain outward.

13. Cerebrospinal fluid (CSF) is produced by \_\_\_\_\_\_\_\_.

a. The blood–brain barrier.

b. The choroid plexus.

c. Astrocytes.

d. Neurons.

14. Which of the following is released by the adrenal cortex in response to environmental stressors?

a. Glucocorticoids.

b. Adrenocorticotropic hormone (ACTH).

c. Corticotropin-releasing hormone (CRH).

d. Macrophages.

15. Which of the following is most associated with the adaptive immune system?

a. Microglia.

b. Phagocytes.

c. B cells.

d. Macrophages.

**Answer Key**

1. D

2. B

3. C

4. C

5. A

6. C

7. A

8. D

9. D

10. B

11. C

12. C

13. B

14. A

15. C