

Introduction to the Brain

Neuroscience · Practice Test · 18 Questions

1. What is the main organ of the human nervous system?

- A) Heart
- B) Brain
- C) Liver
- D) Stomach

2. Which part of the brain is primarily responsible for balance and coordination?

- A) Cerebellum
- B) Frontal lobe
- C) Brain stem
- D) Occipital lobe

3. What are the specialized cells that transmit electrical signals in the brain called?

- A) Blood cells
- B) Neurons
- C) Skin cells
- D) Muscle cells

4. Which part of the brain controls your breathing and heartbeat?

- A) Cerebrum
- B) Cerebellum
- C) Brain stem
- D) Hippocampus

5. The brain is protected by which hard structure?

- A) Ribcage
- B) Spine
- C) Skull
- D) Pelvis

6. What is the gap between two neurons where information is passed called?

- A) Axon
- B) Synapse
- C) Dendrite
- D) Nucleus

7. Which lobe of the brain is mainly responsible for processing visual information?

- A) Frontal lobe
- B) Parietal lobe
- C) Temporal lobe
- D) Occipital lobe

8. What substance acts as a protective cushion for the brain and spinal cord?

- A) Cerebrospinal fluid
- B) Blood plasma
- C) Saliva
- D) Mucus

9. Which part of the brain is largely responsible for memory and learning?

- A) Hippocampus
- B) Pons
- C) Medulla
- D) Cerebellum

10. What connects the two hemispheres of the brain?

- A) Corpus callosum
- B) Spinal cord
- C) Cerebral cortex
- D) Brain stem

11. Which sense is processed by the temporal lobe?

- A) Vision
- B) Touch
- C) Hearing
- D) Smell

12. What is the 'wrinkly' outer layer of the brain called?

- A) Brain stem
- B) Cerebral cortex
- C) Spinal cord
- D) Corpus callosum

13. Neurons communicate with each other using what kind of signals?

- A) Mechanical
- B) Thermal
- C) Electrical and chemical
- D) Magnetic

14. Which part of the brain is responsible for voluntary movement and decision-making?

- A) Frontal lobe
- B) Occipital lobe
- C) Brain stem
- D) Cerebellum

15. What is the long, tail-like part of a neuron that sends messages away from the cell body?

- A) Dendrite
- B) Axon
- C) Synapse
- D) Nucleus

16. Approximately how much does an average adult human brain weigh?

- A) 500 grams
- B) 1.3 to 1.4 kilograms
- C) 5 kilograms
- D) 10 kilograms

17. Which system includes the brain and the spinal cord?

- A) Digestive system
- B) Central nervous system
- C) Circulatory system
- D) Muscular system

18. What are the branch-like structures of a neuron that receive signals?

- A) Axons
- B) Dendrites
- C) Somas
- D) Myelin