

Introduction to the Human Brain

Neuroscience · Answer Key · 8 Questions

1. Which part of the brain is primarily responsible for balance, coordination, and muscle control?

- A) Cerebellum**
- B) Frontal lobe
- C) Brainstem
- D) Occipital lobe

2. What is the name of the main cell type that sends and receives electrical signals throughout the nervous system?

- A) Red blood cell
- B) Neuron**
- C) Skin cell
- D) Platelet

3. Which lobe of the brain is located at the back of the head and is primarily responsible for processing visual information?

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

4. The brain is protected by a hard structure of bone. What is this structure called?

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

5. What is the gap between two neurons where information is passed via chemical signals?

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

6. Which part of the brain connects to the spinal cord and controls automatic functions like breathing and heart rate?

- A) Cerebrum
- B) Cerebellum
- C) Brainstem**
- D) Frontal lobe

7. The human brain is divided into two halves, which are known as the left and right what?

- A) Hemispheres**
- B) Lobes
- C) Cortexes
- D) Cerebellums

8. Which part of the brain is responsible for complex functions like reasoning, planning, and personality?

- A) Brainstem
- B) Occipital lobe
- C) Frontal lobe**
- D) Cerebellum