

Neurobiological basis of brain



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Quiz

- **1-Which part of the brain is responsible for hearing and memory?**
- A- Occipital lobe
- B-Cerebellum
- C-Temporal lobe
- D-Frontal lobe

2-A person with an injury to her frontal lobe may have difficulty •

- A-Remembering past events
- B-Reasoning and making decisions
- C-Seeing
- D-Sleeping

What is the role of corpus collasum

- Centre of executive function
- Coordination of motor movements
- Connects two hemispheres of brain
- Determines handedness in humans

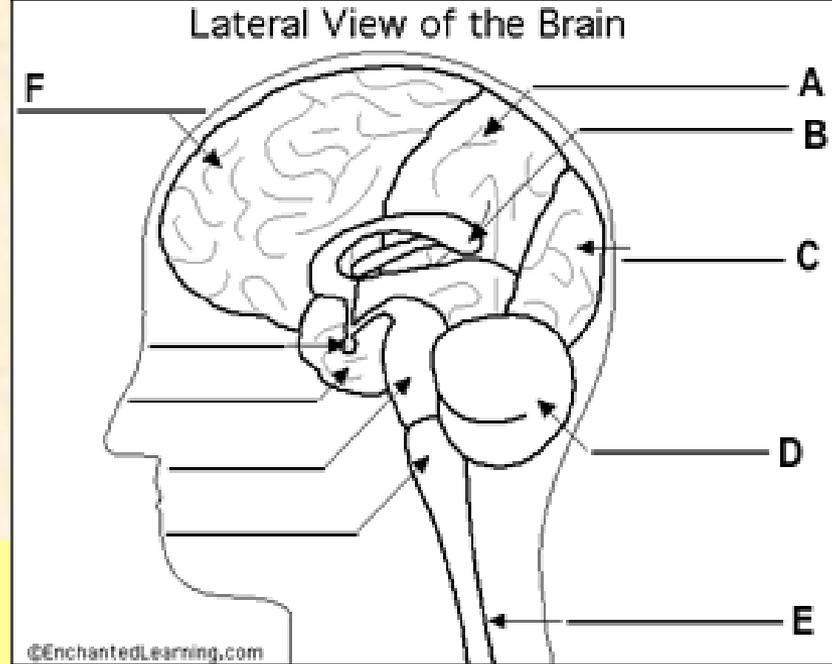
- Which task wouldn't be affected by damage to the right parietal lobe
- Recognizing shapes
- Dressing
- Doing arithmetic
- writing

- What part of brain stem regulate your heartbeat
- Pons
- Medulla
- Hypothalamus
- thalamus

- What is not apart of the brain
- Cerebellum
- Brain stem
- **Foreamen magnum**
- cerebrum

- Which area of the brain is not part of cerebral cortex
- Frontal
- Cerebellum
- Parietal
- temporal

- **3-Axons:**
- A-Receive messages
- B- Send messages
- C-Process information
- D- Insulate neurons



• **4-Which letter on the image indicates the cerebellum?**

- A
- B
- C
- D

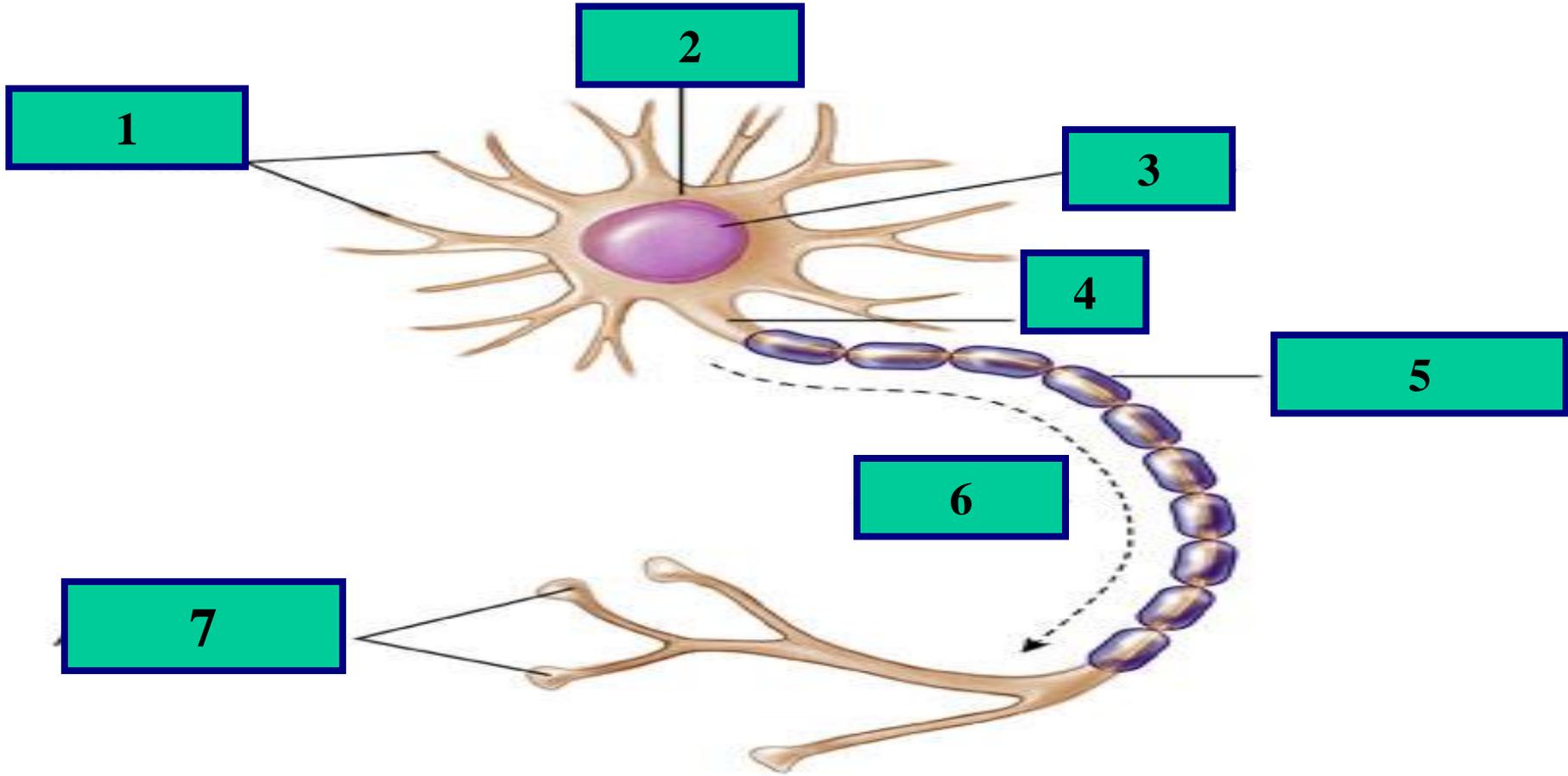
**Which of the following neurotransmitters •
are inhibitory**

GABA Acetylcholine Epinephrine •
Norepinephrine

- **Which of the following is NOT part of the limbic system**
- amygdala
- hippocampus
- hypothalamus
- cerebellum

- **What is the biggest part of the brain ?**
- A .Cerebrum
- B .Thalamus
- C .Brain stem
- D .Cerebellum
- **What is the back part of the brain ?**
- A .Cerebrum
- B .Thalamus
- C .Brain stem
- D .Cerebellum

Neuron



Neuron

Dendrites

Cell body

Nucleus

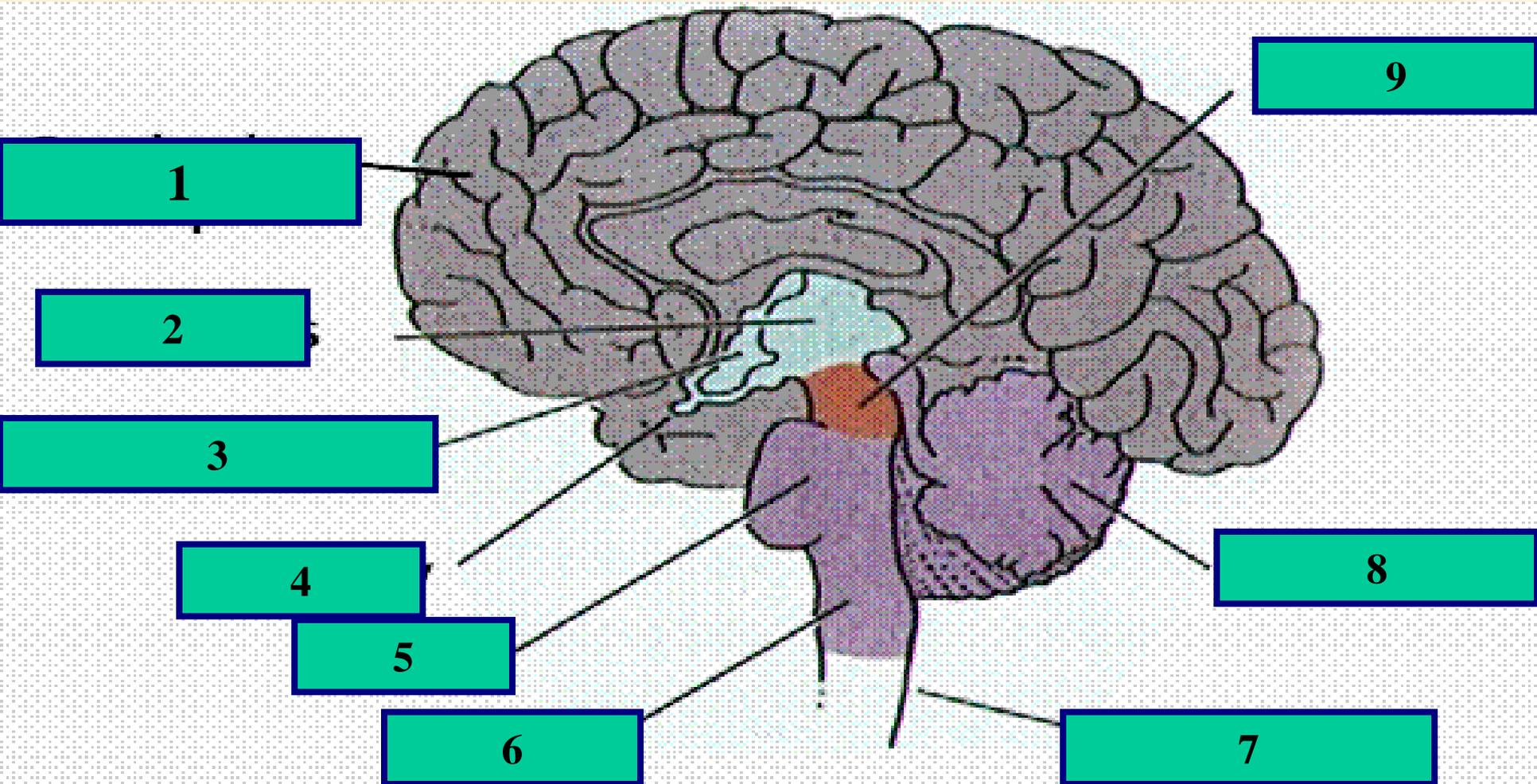
Axon

Myelin sheath

Direction of impulses

Terminal

Brain structure



Brain structure

1

Cerebral hemisphere

4

Pituitary

7

Spinal cord

2

Thalamus

5

Pons

8

Cerebellum

3

Hypothalamus

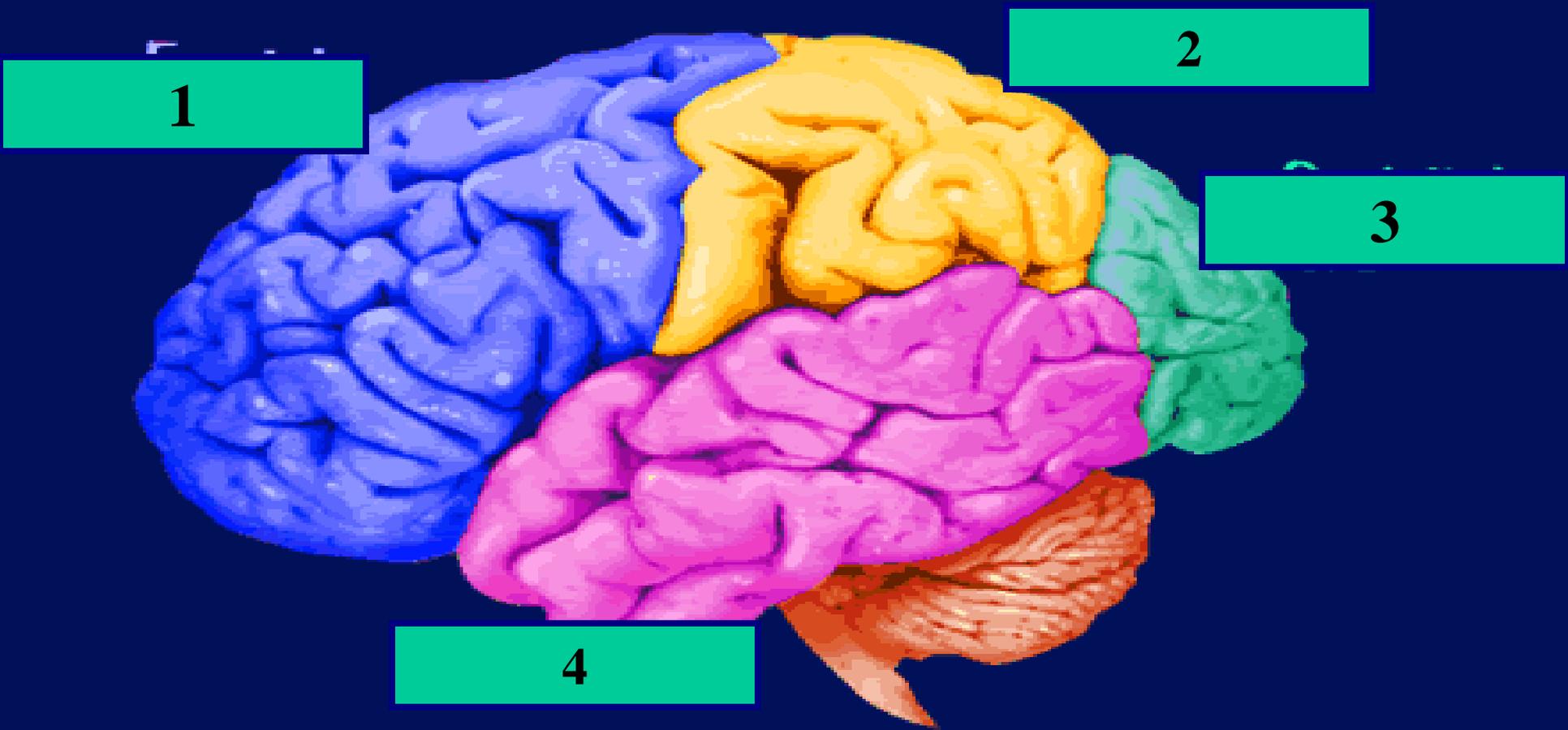
6

Medulla

9

Midbrain

Parts of the cerebrum



Parts of the cerebrum

1

Frontal lobe

2

Parietal lobe

3

Occipital lobe

4

Temporal lobe

thank

you