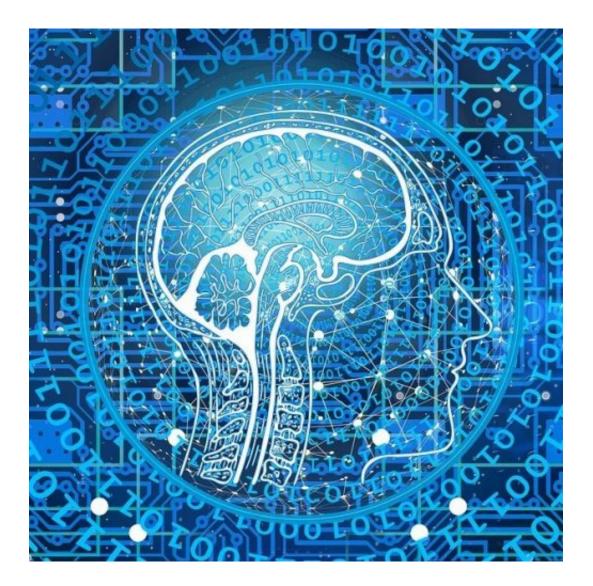


Brain Quiz: questions and answers





- 1. What is the main function of the brain?
- O To pump blood through the blood vessels of the circulatory system
- O To serve as the center of the nervous system in all vertebrate and most invertebrate animals
- O To remove waste and extra fluid from the blood
- 2. Where is the oculomotor nuclei located?
- O Spinal cord
- O Midbrain
- O Hindbrain
- 3. In a human, the cerebral cortex contains approximately:
- O 10 to 20 million neurones
- 6 to 10 million neurones
- O 1 to 3 million neurones
- 4. How large is the brain of a mammal compared to the brain of a bird of its same body size?
- O The brain of a mammal is ten times as large as that of a bird of the same body size
- O The brain of a mammal is four times as large as that of a bird of the same body size
- O The brain of a mammal is twice as large as that of a bird of the same body size

5. What is the name given to an electrically excitable cell that receives, processes, and transmits information through electrical and chemical signal?

- O Ganglion
- O Neuron



O Synapses

6. Who chose the sea slug Alypsia californica as a model for studying the cellular basis of learning and memory?

- 🔘 Al-Zahrawi
- O Rickman Godlee
- O Eric Kandel
- 7. Vertebrate brains are surrounded by a system of connective tissue membranes called:
- O Thallamus
- O Meninges
- O Pons
- 8. What is the Encephalization Quotient of a dog?
- O 2.1
- 0 0.9
- O 1.2
- 9. What is the function of the cerebellum?
- O The cerebellum directs cortical activation of spinal motor circuits
- O The cerebellum calibrates precision and timing of movements
- O The cerebellum contains motor neurons that directly activate muscles
- 10. What is the episodic memory?
- The ability of the brain to maintain a temporary representation of information about the task that an animal is currently engaged in
- The ability to refine patterns of body movement by practicing, or more generally by repetition
- O The ability to remember the details of specific events



Brain Quiz: questions and answers

Right answers

1. What is the main function of the brain?

To serve as the center of the nervous system in all vertebrate and most invertebrate animals

2. Where is the oculomotor nuclei located? Midbrain

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4. How large is the brain of a mammal compared to the brain of a bird of its same body size? The brain of a mammal is twice as large as that of a bird of the same body size

5. What is the name given to an electrically excitable cell that receives, processes, and transmits information through electrical and chemical signal?

Neuron

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Eric Kandel

7. Vertebrate brains are surrounded by a system of connective tissue membranes called: Meninges

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The cerebellum calibrates precision and timing of movements

10. What is the episodic memory?

The ability to remember the details of specific events