

exam-1-study-guide

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Resources

- Quiz 1 Answer Key

Topic outline

- History
 - Aristotle vs. Galen
 - Descartes

Topic outline

- Methods
 - Structural vs. Functional
 - High spatial/temporal resolution vs. low

Topic outline

- Neuroanatomy
 - Directional terms, slice planes
 - Forebrain, midbrain, hindbrain
 - Cortical landmarks
 - Supporting structures

Topic outline

- Glial cell types & functions
- Why are neurons special
- Basic neuronal anatomy

Topic outline

- The resting potential and the balance of forces
- The action potential

The image illustrates what type of slice?

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- Sagittal
- Horizontal
- Coronal
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All of the following structures can be seen in the figure EXCEPT

- Cerebellum
- Corpus callosum
- Lateral ventricles
- Cerebral cortex

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The figure illustrates which imaging method?

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- PET
- Magnetoencephalography (MEG)
- MRI

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Descartes thought that this structure was the place where the soul influenced the human body's voluntary movements.

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- The pituitary gland
- The pineal gland
- The reflexive complex

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- Inferior
- Superior
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Auditory information enters the CNS via the 8th (VIII) cranial nerve and projects through this sound-responsive nucleus of the midbrain tectum.

- lateral geniculate nucleus
- striatum
- substantia nigra
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Electroencephalography (EEG) has _____ temporal resolution than functional MRI, but _____ spatial resolution.

- better; similar
- better; worse
- worse; better
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Which of these landmarks separates the frontal from the parietal lobe?

- Lateral fissure
- Longitudinal fissure
- Anterior cingulate gyrus
- Central sulcus

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Gray matter is mainly composed of:

- Axons
- Cell bodies
- Myelin
- None of the above

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Which of these is NOT a component of the forebrain?

- Cerebral cortex
- Basal ganglia
- Hypothalamus
- Medulla

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Which brain lobe contains the primary and supplementary motor cortex?

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- Occipital

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Next time...

- Exam 1