Foundations of Neuroscience History

Neuroscience History · Answer Key · 8 Questions

1. Who is widely considered the 'father of modern neuroscience' for his work on the neuron doctrine?

A) Santiago Ramón y Cajal
B) Sigmund Freud
C) Charles Darwin
D) Louis Pasteur

2. In 1848, which railroad worker survived a massive injury to his frontal lobe, providing early insight into personality and brain function?

A) Henry Molaison
B) Phineas Gage
C) Louis Victor Leborgne
D) Paul Broca

3. Which 19th-century French physician discovered a region in the frontal lobe responsible for speech production?

A) Johannes Müller
B) Paul Broca
C) Camillo Golgi
D) Hermann von Helmholtz

4. What is the name of the staining technique developed by Camillo Golgi that allowed scientists to see individual nerve cells?

A) Gram stain
B) Black reaction
C) Giemsa stain
D) Acid-fast stain

5. Who was the first person to record electrical activity from the human brain using an EEG in 1924?

A) Hans Berger
B) Wilder Penfield
C) Alan Hodgkin
D) Andrew Huxley

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6. Which brain structure is named after the Latin word for 'seahorse' due to its distinct shape?

A) Amygdala
B) Thalamus
C) Hippocampus
D) Cerebellum

7. What century saw the first recorded descriptions of the brain and its ventricles in ancient Egyptian medical texts like the Edwin Smith Papyrus?

A) 17th century BC
B) 10th century AD
C) 5th century BC
D) 1st century AD

8. Which famous neuroscientist conducted groundbreaking brain mapping surgeries on conscious patients in the mid-20th century?

A) Wilder Penfield
B) Eric Kandel
C) Rita Levi-Montalcini
D) Roger Sperry

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