

25. Question : Which of the following is the most important excitatory neurotransmitter in the brain?

Student Answer:



- ☒ glutamate
- ☐ noradrenaline
- ☐ glycine
- ☐ gamma aminobutyric acid
- ☐ serotonin

Points Received:

1 of 1

Comments:

26. Question :

Which of the following comparisons between neurons and muscle tissue is **false**?

Student Answer:



- ☐ Action potentials last longer in muscle fibers.
- ☐ Muscle fibers conduct action potentials at slow speeds.
- ☐ Muscle fibers conduct action potentials only by continuous propagation.
- ☐ Resting potentials are greater in muscle fibers.
- ☒ Action potentials are briefer in muscle fibers.

Points Received:

1 of 1

Comments:

27. Question :

Samples of CSF for diagnostic purposes are normally obtained by placing the tip of a needle in the

Student Answer:



- ☐ epidural space.
- ☐ arachnoid mater.
- ☐ cerebral ventricles.
- ☒ subarachnoid space.
- ☐ dura mater.

Points Received:

1 of 1

Comments:

28. Question :

In the peripheral nervous system, Schwann cells participate in the repair of damaged nerves by

Student Answer:



- ☐ regenerating cell bodies for the neurons.
- ☐ producing new axons.
- ☐ clearing away cellular debris.
- ☐ producing more satellite cells that fuse to form new axons.
- ☒ forming a cellular cord that directs axonal regrowth.

Points Received:

1 of 1

Comments:

29. Question :

The part of the peripheral nervous system that carries sensory information to the CNS is designated

Student Answer:



- ☒ afferent.
- ☐ autonomic.
- ☐ motor.
- ☐ somatic.
- ☐ efferent.

Points Received:

1 of 1

Comments:

30. Question :

The efferent division of the peripheral nervous system innervates:

Student Answer:

- ☐ heart muscle cells

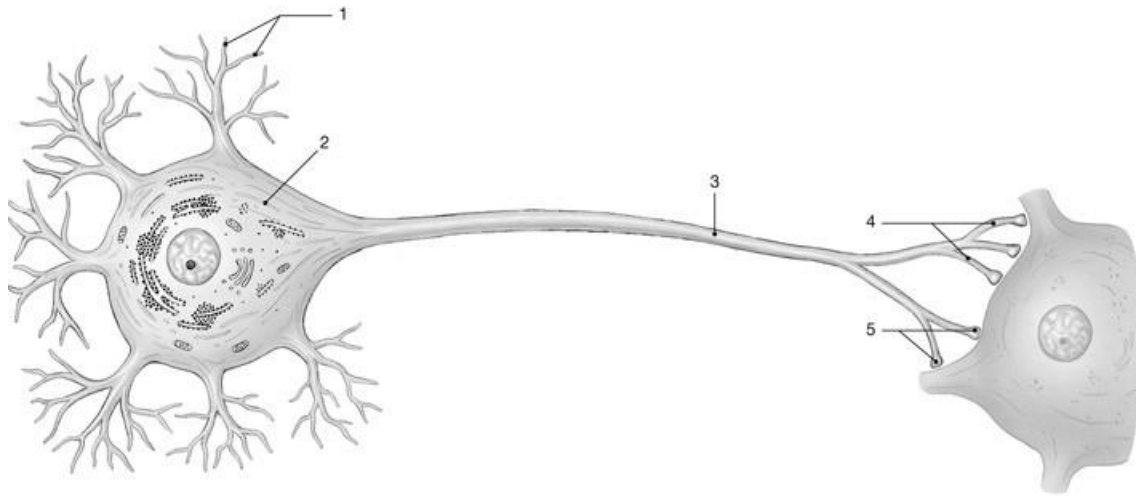


Figure 12-1 The Neuron

Use Figure 12-1 to answer the following questions:

The structure labeled "2" is a

Student Answer:

- ☐ perikaryon.
☒ soma.
☐ initial segment.
☒ Nissl body.
☐ dendrite.

Points Received:

0 of 1

Comments:

45. Question :

Summation that results from the cumulative effect of multiple synapses at multiple places on the neuron is designated

Student Answer:

- ☐ impulse transmission.
☒ spatial summation.
☐ inhibition of the impulse.
☐ hyperpolarization.
☐ temporal summation.

Points Received:

1 of 1

Comments:

46. Question :

_____ open or close in response to binding specific molecules.

Student Answer:

- ☒ Chemically gated channels
☐ Leak channels
☐ Activated channels
☐ Voltage-gated channels
☐ both C and D

Points Received:

1 of 1

Comments:

47. Question :

Which of the following is a function of neuroglia?

Student Answer:

- ☐ act as phagocytes
☐ produce cerebrospinal fluid
☐ regulate the composition of interstitial fluid

Preview from Notesale.co.uk
Page 16 of 25

Preview from Notesale.co.uk
Page 24 of 25