

# The Nervous System

## LEARNING EXERCISES

Grade \_\_\_\_\_ Name \_\_\_\_\_

### WHICH WORD?

Select the correct answer and write it on the line provided.

10.31. A physician who specializes in administering anesthetic agents is an \_\_\_\_\_.

anesthetist

anesthesiologist

10.32. A lowered level of consciousness marked by listlessness and drowsiness is described as \_\_\_\_\_.

apathy

stupor

10.33. A disturbance in the memory marked by the inability to recall past experiences is known as \_\_\_\_\_.

amnesia

aphasia

10.34. A sense perception that has no basis in external stimulation is a/an \_\_\_\_\_.

delusion

hallucination

10.35. An excessive fear of heights is \_\_\_\_\_.

acrophobia

agoraphobia

### SPELLING COUNTS

Find the misspelled word in each sentence. Then write that word, spelled correctly, on the line provided.

10.36. A miagaine headache is characterized by sudden, severe, sharp headache that is usually present only on one side. \_\_\_\_\_

10.37. Alzheimer's disease is a group of disorders associated with degenerative changes ,including progressive memory loss, impaired thinking, and personality changes. \_\_\_\_\_

10.38. An anesthethic is the medication administered to block the normal sensation of pain. \_\_\_\_\_

10.39. Epalepsy is a group of neurologic disorders characterized by recurrent episodes of convulsive seizure. \_\_\_\_\_

10.40. Schiatica is a nerve inflammation that may result in pain through the thigh and leg. \_\_\_\_\_

## DEFINITIONS

Select the correct answer and write it on the line provided.

10.16. The term that describes the space between two neurons or between a neuron and a receptor is \_\_\_\_\_.

dendrite                      ganglion                      plexus                      synapse

10.17. The protective covering over some nerve cells is the \_\_\_\_\_.

myelin sheath                      neuroglia                      neurotransmitter                      pia mater

10.18. The rootlike structures of a nerve that receive impulses and conduct them to the cell body are the \_\_\_\_\_.

axons                      dendrites                      ganglions                      terminal end fibers

10.19. The layer of the meninges that is located nearest the brain and spinal cord is the \_\_\_\_\_.

arachnoid membrane                      dura mater                      meninx                      pia mater

10.20. Seven vital body functions are controlled by the \_\_\_\_\_.

cerebral cortex                      cerebellum                      hypothalamus                      thalamus

10.21. The division of the autonomic nervous system that is concerned with body functions under stress is the \_\_\_\_\_ nervous system.

cranial                      parasympathetic                      peripheral                      sympathetic

10.22. A network of intersecting nerves and blood or lymphatic vessels is a \_\_\_\_\_.

ganglion                      plexus                      synapse                      tract

10.23. The cranial nerves are part of the \_\_\_\_\_ nervous system.

autonomic                      central                      cranial                      peripheral

10.24. Motor functions are controlled by the \_\_\_\_\_ lobe of the cerebrum.

frontal                      occipital                      parietal                      temporal

10.25. Impulses are carried away from the brain and spinal cord by the \_\_\_\_\_ neurons.

afferent                      associative                      connecting                      efferent

## TERM SELECTION

Select the correct answer and write it on the line provided.

10.46. A patient with a high fever who is confused, disoriented, and unable to think clearly is suffering from

\_\_\_\_\_.

delirium

dementia

lethargy

stupor

10.47. The term meaning inflammation of the spinal cord is \_\_\_\_\_.

encephalitis

myelitis

myelosis

radiculitis

10.48. The medical term for the condition commonly known as sleepwalking is

\_\_\_\_\_.

narcolepsy

sleep apnea

somnambulism

somnolence

10.49. Trigeminal neuralgia is also known as \_\_\_\_\_.

Bell's palsy

Guillain-Barré syndrome

Lou Gehrig's disease

tic douloureux

10.50. The medical term for the condition commonly known as a reading disorder is

\_\_\_\_\_.

attention deficit disorder

autism

dyslexia

mental retardation

## SENTENCE COMPLETION

Write the correct term on the line provided.

10.51. The general term used to describe bruising of brain tissue as a result of a head injury is a cerebral

\_\_\_\_\_.

10.52. A feeling of apprehension, tension, or uneasiness that stems from the anticipation of danger, the source of which is largely unknown or unrecognized, is a/an \_\_\_\_\_ state.

10.53. The term used to describe a disorder characterized by a recurrent failure to resist impulses to set fires is

\_\_\_\_\_.

10.54. \_\_\_\_\_ syndrome by proxy is a form of child abuse.

10.55. Medication that is administered to prevent or relieve depression is known as a/an

\_\_\_\_\_.

## TRUE/FALSE

If the statement is true, write T on the line. If the statement is false, write F on the line.

- 10.56. \_\_\_\_ Causalgia is an intense burning pain following an injury to a sensory nerve.
- 10.57. \_\_\_\_ A cephalocele is the rupture of the membranes of the brain and spinal cord.
- 10.58. \_\_\_\_ Post-polio syndrome occurs in older patients who have had poliomyelitis.
- 10.59. \_\_\_\_ The nerves that control the left side of the body are found in the right side of the brain.
- 10.60. \_\_\_\_ Electroencephalography produces a picture of the structures of the brain.
- 10.61. \_\_\_\_ In a hemorrhagic stroke, a blood vessel in the brain leaks or ruptures.
- 10.62. \_\_\_\_ Demyelination is the destruction or loss of the myelin sheath from myelinated fibers.
- 10.63. \_\_\_\_ A sedative depresses the CNS and produces sleep.
- 10.64. \_\_\_\_ A pattern of repeated hand washing is a bipolar disorder.
- 10.65. \_\_\_\_ Tic douloureux is an inflammation of the trigeminal nerve.

## CLINICAL CONDITIONS

Write the correct answer on the line provided.

- 10.66. Harvey Ikeman's chart listed him as being \_\_\_\_\_. This means that he is in a coma.
- 10.67. After an auto accident, Anthony DeNatali required \_\_\_\_\_ to suture the ends of a severed nerve in his hand.
- 10.68. George Houghton suffered a transient \_\_\_\_\_ attack (TIA). Sometimes this is a warning of a stroke.
- 10.69. Ted Duncan had Parkinson's disease. To control the tremors, his doctor performed a/an \_\_\_\_\_. This is a surgical incision into the thalamus.
- 10.70. Mary Beth Cawthorn was diagnosed as having \_\_\_\_\_, which is also known as MS. This autoimmune disease is characterized by patches of demyelinated nerve fibers.

## CLINICAL CONDITIONS

Write the correct answer on the line provided.

- 10.71. Joanne Ladner suffers from recurrent uncontrollable seizures of drowsiness and sleep. Her doctor diagnosed this condition as \_\_\_\_\_.
- 10.72. After her stroke, Mildred Carson was unable to understand written or spoken words. This condition is called \_\_\_\_\_.
- 10.73. Jill Beck said she fainted. The medical term for this brief loss of consciousness caused by a lack of oxygen in the brain is \_\_\_\_\_.
- 10.74. The Baily baby was born with \_\_\_\_\_. This condition is an abnormally increased amount of cerebrospinal fluid within the brain.
- 10.75. After the accident, the MRI indicated that Juan Ramirez had a collection of blood trapped in the tissues of the brain. This condition is called a cranial \_\_\_\_\_.

## WHICH IS THE CORRECT MEDICAL TERM?

Select the correct answer and write it on the line provided.

- 10.76. The term that describes an intense, burning pain after an injury to a sensory nerve is \_\_\_\_\_.
- causalgia                      hyperesthesia                      hypoesthesia                      paresthesia
- 10.77. Medication that usually produces sleep is known as a/an \_\_\_\_\_.
- analgesic                      barbiturate                      hypnotic                      sedative
- 10.78. A/An \_\_\_\_\_ disorder is a mental condition characterized by a change in function that suggests a physical disorder but has no physical cause.
- anxiety                      conversion                      panic                      posttraumatic stress
- 10.79. Only the surface of the tissues is affected when a/an \_\_\_\_\_ anesthetic is administered.
- epidural                      local                      regional                      topical
- 10.80. To control convulsions, \_\_\_\_\_ may be administered.
- amobarbital                      analgesics                      phenobarbital                      sedatives