

**MATCHING WORD PARTS 1**

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
10.1. feeling	_____	psych/o
10.2. brain	_____	encephal/o
10.3. bruise	_____	contus/o
10.4. mind	_____	concuss/o
10.5. shaken together	_____	esthet/o

**MATCHING WORD PARTS 2**

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
10.6. brain covering	_____	-esthesia
10.7. process of recording an image	_____	-graphy
10.8. sensation, feeling	_____	klept/o
10.9. spinal cord	_____	mening/o
10.10. to steal	_____	myel/o

**MATCHING WORD PARTS 3**

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
10.11. abnormal fear	_____	-tropic
10.12. burning sensation	_____	-phobia



- 10.13. madness \_\_\_\_\_ **neur/o**
- 10.14. nerve, nerves \_\_\_\_\_ **-mania**
- 10.15. having an affinity for \_\_\_\_\_ **caus/o**

## DEFINITIONS

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

- 10.16. The space between two neurons or between a neuron and a receptor is known as a \_\_\_\_\_.
- dendrite                      ganglion                      plexus                      synapse
- 10.17. The white protective covering over some nerve cells is the \_\_\_\_\_.
- myelin sheath                      neuroglia                      neurotransmitter                      pia mater
- 10.18. The \_\_\_\_\_ are the root-like structures of a nerve that receive impulses and conduct them to the cell body.
- axons                      dendrites                      ganglions                      neurotransmitters
- 10.19. The \_\_\_\_\_ is the layer of the meninges that is located nearest the brain and spinal cord.
- 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 \_\_\_\_\_ nervous system is the division of the autonomic nervous system that is concerned with body functions.
- afferent                      parasympathetic                      peripheral                      sympathetic
- 10.22. A \_\_\_\_\_ is a network of intersecting nerves.
- ganglion                      plexus                      synapse                      tract
- 10.23. Cranial nerves are part of the \_\_\_\_\_ nervous system.
- autonomic                      central                      cranial                      peripheral

10.24. The \_\_\_\_\_ relays sensory stimuli from the spinal cord and midbrain to the cerebral cortex.

- cerebellum                      hypothalamus                      medulla                      thalamus

10.25. The \_\_\_\_\_ neurons carry impulses away from the brain and spinal cord.

- afferent                      associative                      efferent                      sensory

**MATCHING STRUCTURES**

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
10.26. connects the brain and spinal cord	_____	medulla
10.27. controls vital body functions	_____	hypothalamus
10.28. coordinates muscular activity	_____	cerebrum
10.29. most protected brain part	_____	cerebellum
10.30. uppermost layer of the brain	_____	brainstem

**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 \_\_\_\_\_ is a profound state of unconsciousness marked by the absence of spontaneous eye movements, no response to painful stimuli, and the lack of speech.

- coma                      stupor

10.33. An \_\_\_\_\_ drug is also known as a tranquilizer.

- antipsychotic                      anxiolytic

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

- 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 throbbing pain on one side of the head. \_\_\_\_\_
- 10.37. Alzheimer's disease is a group disorders involving the parts of the brain that control thought, memory, and language. \_\_\_\_\_
- 10.38. An anesthetic is medication that is administered to block the normal sensation of pain. \_\_\_\_\_
- 10.39. Epalepsy is a chronic neurological condition characterized by recurrent episodes of seizures of varying severity. \_\_\_\_\_
- 10.40. Schiatica is a nerve inflammation that may result in pain through the thigh and leg. \_\_\_\_\_

**ABBREVIATION IDENTIFICATION**

In the space provided, write the words that each abbreviation stands for.

- 10.41. **CP** \_\_\_\_\_
- 10.42. **CVA** \_\_\_\_\_
- 10.43. **OCD** \_\_\_\_\_
- 10.44. **PTSD** \_\_\_\_\_
- 10.45. **TIA** \_\_\_\_\_

**TERM SELECTION**

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

- 10.46. The acute condition caused by a high fever that is characterized by confusion, disorientation, disordered thinking, agitation, and hallucinations is known as \_\_\_\_\_.  
 delirium                      dementia                      lethargy                      stupor
- 10.47. The term meaning inflammation of the spinal cord is \_\_\_\_\_. This term also means inflammation of bone marrow.  
 encephalitis                      myelitis                      myelosis                      radiculitis
- 10.48. The medical term meaning an abnormal fear of being in narrow or enclosed spaces is \_\_\_\_\_.  
 acrophobia                      claustrophobia                      kleptomania                      pyromania

10.49. The condition known as \_\_\_\_\_ is characterized by severe lightning-like pain due to an inflammation of the fifth cranial nerve.

- Bell's palsy      Guillain-Barré syndrome      Lou Gehrig's disease      trigeminal neuralgia

10.50. The medical term for the condition also known as a developmental reading disorder is \_\_\_\_\_.

- autism      dissociative disorder      dyslexia      mental retardation

SENTENCE COMPLETION

Write the correct term on the line provided.

10.51. A \_\_\_\_\_ is the bruising of brain tissue as a result of a head injury.

10.52. The mental conditions characterized by excessive, irrational dread of everyday situations or fear that is out of proportion to the real danger in a situation are known as \_\_\_\_\_.

10.53. The disorder characterized by repeated, deliberate fire setting is known as \_\_\_\_\_.

10.54. A/An \_\_\_\_\_ disorder is a condition in which an individual acts as if he or she has a physical or mental illness when he or she is not really sick.

10.55. A/An \_\_\_\_\_ drug is administered to treat severe mental disorders including schizophrenia and mania.

WORD SURGERY

Divide each term into its component word parts. Write these word parts, in sequence, on the lines provided. When necessary use a slash (/) to indicate a combining vowel. (You may not need all of the lines provided.)

10.56. An **anesthetic** is the medication used to induce the loss of normal sensation, especially sensitivity to pain.

\_\_\_\_\_

10.57. **Somnambulism** is commonly known as sleepwalking.

\_\_\_\_\_

10.58. **Electroencephalography** is the process of recording the electrical activity of the brain through the use of electrodes attached to the scalp.

\_\_\_\_\_

10.59. **Echoencephalography** is the use of ultrasound imaging to diagnose a shift in the midline structures of the brain.

\_\_\_\_\_

10.60. **Poliomyelitis** is a viral infection of the gray matter of the spinal cord that may result in paralysis.

\_\_\_\_\_

### TRUE/FALSE

If the statement is true, write **True** on the line. If the statement is false, write **False** on the line.

10.61. \_\_\_\_\_ A hemorrhagic stroke occurs when a blood vessel in the brain leaks.

10.62. \_\_\_\_\_ Arachnophobia is an excessive fear of spiders.

10.63. \_\_\_\_\_ A sedative is administered to prevent the seizures associated with epilepsy.

10.64. \_\_\_\_\_ A patient in a persistent vegetative state sleeps through the night and is awake during the day.

10.65. \_\_\_\_\_ A psychotropic drug acts primarily on the central nervous system where it produces temporary changes affecting the mind, emotions, and behavior.

### CLINICAL CONDITIONS

Write the correct answer on the line provided.

10.66. Harvey Ikeman has mood shifts from highs to severe lows that affect his mood, energy, and ability to function.

Harvey's doctor describes this condition as a/an \_\_\_\_\_ disorder.

10.67. In the auto accident, Anthony DeNicola hit his head on the windshield. The paramedics were concerned that this jarring of the brain had caused a/an \_\_\_\_\_.

10.68. Georgia Houghton suffered a \_\_\_\_\_ attack (TIA), and her doctors were concerned that this was a warning of an impending stroke.

10.69. To control her patient's tremors caused by Parkinson's disease, Dr. Wang performed a/an \_\_\_\_\_. This is a surgical incision into the thalamus.

10.70. Mary Beth Cawthorn was diagnosed as having \_\_\_\_\_ (MS).

This autoimmune disease is characterized by patches of demyelinated nerve fibers.



10.80. The condition known as \_\_\_\_\_ (ALS) is a rapidly progressive neurological disease that attacks the nerve cells responsible for controlling voluntary muscles.  
 amyotrophic lateral sclerosis          cerebral palsy          epilepsy          multiple sclerosis

**CHALLENGE WORD BUILDING**

These terms are *not* found in this chapter; however, they are made up of the following familiar word parts. If you need help in creating the term, refer to your medical dictionary.

- |              |                   |                 |
|--------------|-------------------|-----------------|
| <b>poly-</b> | <b>encephal/o</b> | <b>-algia</b>   |
|              | <b>mening/o</b>   | <b>-itis</b>    |
|              | <b>myel/o</b>     | <b>-malacia</b> |
|              | <b>neur/o</b>     | <b>-oma</b>     |
|              |                   | <b>-pathy</b>   |

- 10.81. Based on word parts, the term meaning any disease or disorders of a nerve or nerves is \_\_\_\_\_.
- 10.82. Abnormal softening of the meninges is known as \_\_\_\_\_.
- 10.83. A benign neoplasm made up of nerve tissue is a/an \_\_\_\_\_.
- 10.84. Based on word parts, the term meaning any degenerative disease of the brain is \_\_\_\_\_.
- 10.85. An inflammation affecting many nerves is known as \_\_\_\_\_.
- 10.86. Abnormal softening of nerve tissue is known as \_\_\_\_\_.
- 10.87. Inflammation of the meninges and the brain is known as \_\_\_\_\_.
- 10.88. Based on word parts, the term meaning any pathological condition of the spinal cord is \_\_\_\_\_.
- 10.89. Abnormal softening of the brain is known as \_\_\_\_\_.
- 10.90. Inflammation of the meninges, brain, and spinal cord is known as \_\_\_\_\_.



LABELING EXERCISES

Identify the numbered items on the accompanying figures.

- |                     |                   |
|---------------------|-------------------|
| 10.91. _____ cortex | 10.96. _____      |
| 10.92. _____ lobe   | 10.97. _____      |
| 10.93. _____ lobe   | 10.98. _____      |
| 10.94. _____ lobe   | 10.99. _____ cord |
| 10.95. _____ lobe   | 10.100. _____     |

