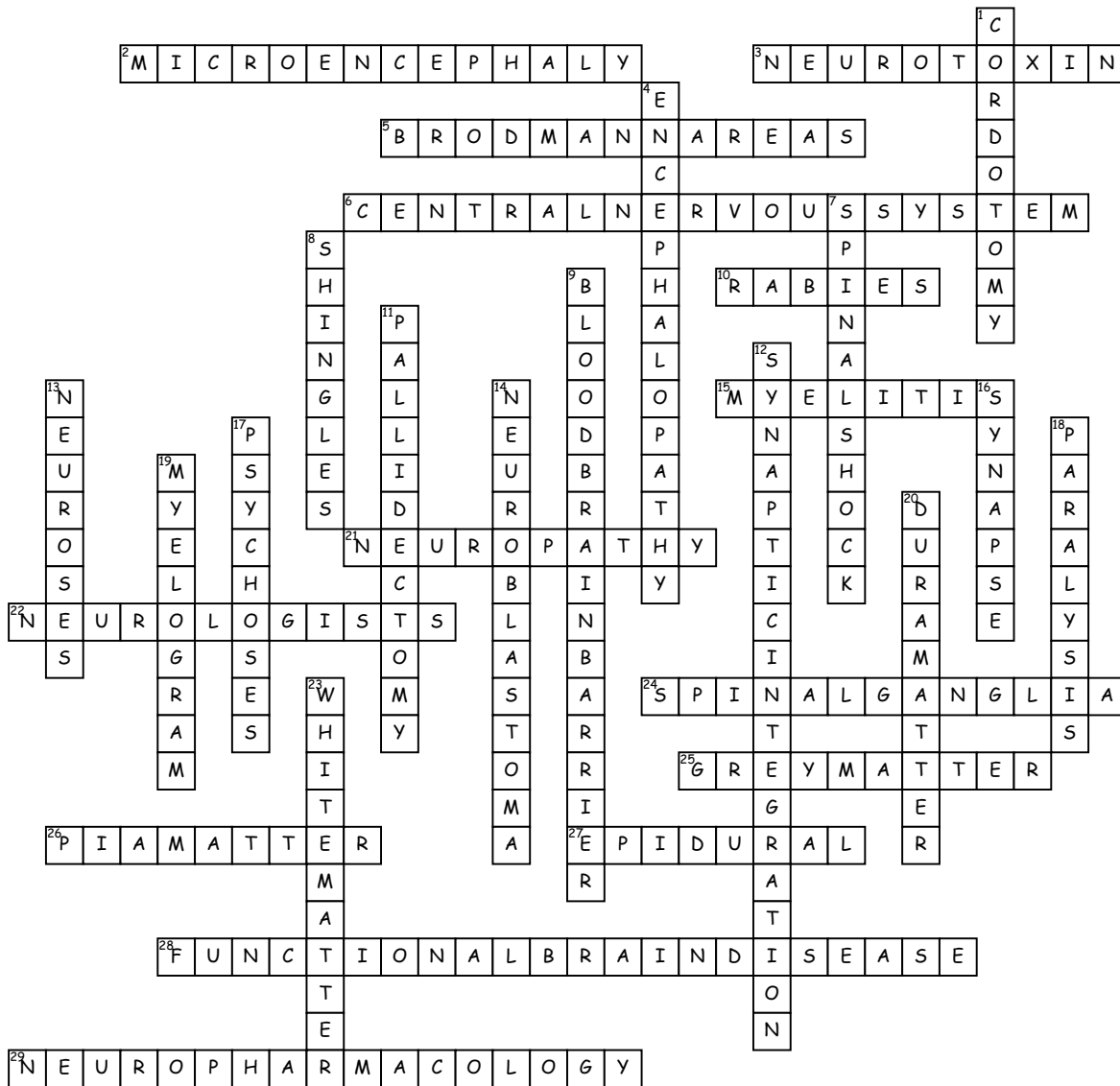


Nervous System Vocabulary



Across

2. abnormal smallness of the brain
3. toxins that are poisonous or destructive to nerve tissue
5. regions of the cerebral cortex, in the human or other primate brain, defined by its cytoarchitecture, or histological structure and organization of cells
6. the part of the nervous system consisting of the brain and spinal cord
10. deadly virus spread to people from the saliva of infected animals
15. the infection or the inflammation of the white matter or gray matter of the spinal cord which is a part of the central nervous system that acts as a bridge between the brain and the rest of the body
21. weakness, numbness, and pain from nerve damage, usually in the hands and feet
22. doctors that specialize in the brain and nervous system
24. contains the cell bodies of sensory neurons entering the spinal cord
25. a major component of the central nervous system, consisting of neuronal cell bodies, neuropil, glial cells, synapses, and capillaries

26. the delicate innermost layer of the meninges, the membranes surrounding the brain and spinal cord
27. the most popular method of pain relief during labor
28. a condition in which patients experience neurological symptoms such as weakness, movement disorders, sensory symptoms and blackouts
29. peer-reviewed scientific journal in the field of neuroscience

Down

1. a surgical procedure that disables selected pain-conducting tracts in the spinal cord, in order to achieve loss of pain and temperature perception
4. broad term for any brain disease that alters brain function or structure
7. a combination of areflexia/hyporeflexia and autonomic dysfunction that accompanies spinal cord injury
8. reactivation of the chickenpox virus in the body, causing a painful rash
9. a highly selective semipermeable membrane barrier that separates the circulating blood from the brain and extracellular fluid in the central nervous system
11. the destruction of all or part of the globus pallidus by chemicals or freezing, in the treatment of Parkinson's disease

12. the computational process by which an individual neuron processes its synaptic inputs and converts them into an output signal
13. a relatively mild mental illness that is not caused by organic disease, involving symptoms of stress but not a radical loss of touch with reality
14. a cancer that is commonly found in the adrenal glands
16. a structure that permits a neuron to pass an electrical or chemical signal to another neuron
17. a mental disorder characterized by a disconnection from reality
18. the loss of the ability to move in part or most of the body, typically as a result of illness, poison, or injury
19. a type of radiographic examination that uses a contrast medium to detect pathology of the spinal cord, including the location of a spinal cord injury, cysts, and tumors
20. a thick membrane that is the outermost of the three layers of the meninges that surround the brain and spinal cord
23. composed of bundles, which connect various gray matter areas of the brain to each other, and carry nerve impulses between neurons