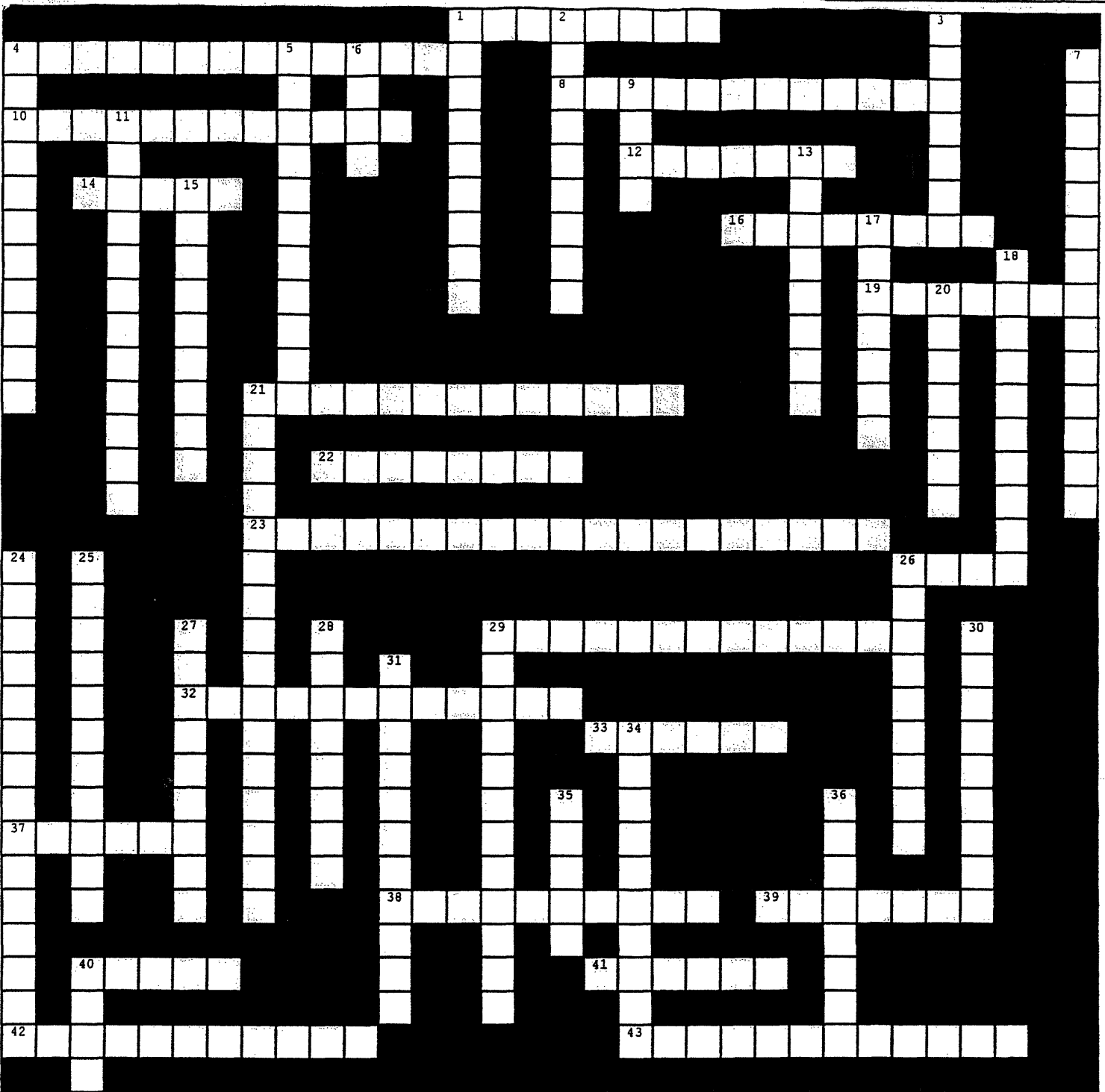


Name: _____



Across

- 1. Towards the front of the body
- 4. Where glycoproteins are made (2 words)
- 8. A degradative process
- 10. Ramon y Cajal proposed the concept of dynamic _____ of a neuron
- 12. A _____ neuron has two primary dendrites
- 14. Ramon y Cajal used the _____ technique to establish the cellular nature of the nervous system
- 16. Away from the cell body or from a cell group
- 19. _____ cells make myelin in the peripheral nervous system
- 21. The progressive clustering of neural cell groups in the region of the head
- 22. The _____ cell of the retina has no axon
- 23. Mechanism by which proteins are delivered to distal portions of the cell (2 words)
- 26. Cell body
- 29. Organelle found in synaptic terminals, or regions of high oxygen consumption

- 32. The _____ maintains the shape of the neuron
- 33. Dendritic _____ help to increase the receptive surface of the cell
- 37. Towards the back
- 38. _____ transport carries degradation products back towards the cell soma.
- 39. The caudalmost section of the brainstem
- 40. The _____ stain is used for the study of cytoarchitectonics
- 41. Molecular motor that mediates retrograde transport
- 42. Innermost layer of non-neural tissue that surrounds peripheral nerve axons and Schwann cells
- 43. _____ is a monoaminergic neurotransmitter

Down

- 1. Star-like glial cell
- 2. Morphine-like neuropeptide that serves as a neurotransmitter/neuromodulator
- 3. Molecular motor that subserves anterograde

9.14.
Homework
Assignment

[from 2001 file]

- axoplasmic transport
- 4.A specialized intercellular contact that allows the flow of ions
- 5. _____ transport moves organelles away from the cell body
- 6.Part of the neuron responsible for the transmission of action potentials
- 7.Morphological classification for sensory neurons in the dorsal root ganglia
- 9.Acronym for an inhibitory neurotransmitter
- 11.Contact between an afferent axon and dendrite of postsynaptic cell
- 13.Towards a cell or a cell group
- 15.Ectitatory neurotransmitter
- 17.Towards the nose
- 18.Non-neuronal cells found primarily in the developing brain
- 20.The action potential is initiated at the axon
- 21.The cellular organization of the nervous system
- 24.Cell that produces myelin in the central nervous system
- 25.Cells that are interposed between sensory neurons and motor neurons
- 26.Cajal showed that the CNS was not a _____, but rather was made up of individual cells.
- 27.The smallest of the glia
- 28.Membranous organelles that typify a synaptic terminal
- 29.Neurons of 'the final common pathway'
- 30.These non-neural cells are very small, but can become militant
- 31.A covering of peripheral axons that lies just outside the endoneurium
- 34.Cell body
- 35.The Nissl substance is comprised of _____ endoplasmic reticulum
- 36.Receptive surface of the neuron
- 40.The _____ of Ranvier is the portion of the axon between two myelin segments

Word List

- AFFERENT
- AMACRINE
- ANTERIOR
- ANTEROGRADE
- ASTROCYTE
- AXODENDRITIC
- AXON
- AXOPLASMICTRANSPORT
- BIPOLAR
- CEPHALIZATION
- CYTOARCHITECTURE
- CYTOSKELETON
- DEGENERATION
- DENDRITE
- DORSAL
- DYNEIN
- EFFERENT
- ENDONEURIUM
- ENDORPHIN
- GABA
- GAPJUNCTION
- GLUTAMATE
- GOLGI
- GOLGIAPPARATUS
- HILLOCK
- INTERNEURON
- KINESIN
- MEDULLA
- MICROGLIA
- MICROGLIA
- MITOCHONDRION
- MOTORNEURONS
- NISSL
- NODE
- NORADRENALIN
- OLIGODENDROCYTE
- PERIKARYON
- PERINEURIUM
- POLARIZATION
- PSEUDOUNIPOLAR
- RADIALGLIA
- RETROGRADE
- ROSTRAL
- ROUGH
- SCHWANN
- SOMA
- SPINES
- SYNCITIUM
- VESICLES