

## Nervous System Histology Test Answers

- A = Cerebellum - 1 = Purkinje cells, 2 = Cortex, 3 = Medulla
- B = Cerebral cortex - 1 = Pyramidal cells
- C = Cochlea - 1 = Scala vestibuli, 2 = Vestibular membrane, 3 = Cochlear duct, 4 = Organ of Corti (spiral organ) shaded, 5 = Scala tympani
- D = Nerve cross section - 1 = Epineurium, 2 = Perineurium
- E = Nerve cross section - 1 = Axon, 2 = Endoneurium, 3 = Perineurium, 4 = Epineurium
- F = Eye - 1 = Conjunctiva, 2 = Cornea
- G = Semicircular duct - 1 = Perilymph, 2 = Membrane of semicircular duct, 3 = Endolymph, 4 = Ampullary crest (crista ampularis), 5 = Bony labyrinth
- H = Cerebellum - 1 = Purkinje cells, 2 = Cortex, 3 = Medulla
- I = Spinal cord - 1 = Posterior median sulcus, 2 = Posterior white column, 3 = Gray commissure, 4 = Lateral white column, 5 = Anterior gray horn, 6 = Anterior median fissure, 7 = Anterior white column, 8 = Lateral gray horn, 9 = Central canal, 10 = Posterior gray horn
- J = Ampulla of semicircular duct - 1 = Cupula, 2 = Ampullary crest (crista ampularis)
- K = Eyeball - 1 = Iris, 2 = Cornea, 3 = Lens, 4 = Ciliary body, 5 = Optic disk, 6 = Choroid coat, 7, Retina, 8 = Sclera
- L = Posterior root ganglion - 1 = Spinal cord, 2 = Posterior root ganglion
- M = Posterior root ganglion - 1 Sensory axons, 2 = Pseudounipolar cell body
- N = Cerebral cortex - 1 = Pyramidal cells
- O = Eye - 1 = Conjunctiva, 2 = Cornea, 3 = Iris, 4 = Lens, 5 = Ciliary processes, 6 = Ciliary body
- P = Cochlea - 1 = Vestibular membrane, 2 = Tectorial membrane, 3 = Hair cells, 4 = Basilar membrane (basal lamina)
- Q = Eye - 1 = Sclera, 2 = Choroid coat, 3 = Retina
- R = Nerve cross section - 1 = Fascicle, 2 = Epineurium, 3 = Perineurium
- S = Nerve cross section - 1 =, Epineurium 2 = Fascicle, 3 = Perineurium
- T = Nerve cross section - 1 = Perineurium, 2 = Axon, 3 = Endoneurium
- U = Cerebellum - 1 = Purkinje cells, 2 = Molecular layer of cortex, 3 = Granular layer of cortex, 4 = Medulla
- V = Anterior eye - 1 = Cornea, 2 = Sclera, 3 = Ciliary body, 4 = Ciliary processes, 5 = Lens, 6 = Cornea, 7 = Iris
- W = Nerve tissue (neuron) - 1 = Processes, 2 = Cell body, 3 = Nucleus of neuron
- X = Eye layers - 1 = Sclera, 2 = Retina, 3 = Choroid coat
- Y = Eye - 1 = Sclera, 2, Cornea, 3 = Ciliary body, 4 = Iris, 5 = Lens
- Z = Eye layers - 1 = Sclera, 2 = Choroid coat, 3 = Retina
- AA = - 1 = Posterior median sulcus, 2 = Posterior white column, 3 = Posterior gray horn 4 = Lateral white column, 5 = Lateral gray horn, 6 = Anterior gray horn, 7 = Anterior median fissure, 8 = Anterior white column, , 9 = Gray commissure
- BB = Nerve fascicle - 1 = Perineurium, 2 = Endoneurium, 3 = Axons
- CC = Spinal cord and ganglion - 1 = Spinal cord, 2 = Posterior root, 3 = Posterior root ganglion, 4 = Anterior root