

Nervous System - PNS AND CNS

Locate the following structures on the appropriate model or diagram. Understand the function of ea

Neuron

_____ axon
 _____ dendrite
 _____ cell body
 _____ Schwann cell
 _____ node of Ranvier
 _____ myelin sheath
 _____ neurolemma
 _____ Nissl bodies
 _____ synaptic knobs
 _____ synaptic vesicles

Spinal Cord

_____ central canal
 _____ posterior column
 _____ lateral column
 _____ anterior column
 _____ posterior sulcus
 _____ anterior fissure
 _____ posterior horn
 _____ lateral horn
 _____ anterior horn
 _____ gray commissure
 _____ conus medularis
 _____ dorsal nerve root
 _____ dorsal root ganglion
 _____ ventral nerve root
 _____ spinal nerve
 _____ cauda equina
 _____ filum terminale

Meninges

_____ dura mater
 _____ dural sinus
 _____ epidural space
 _____ arachnoid mater
 _____ subarachnoid space
 _____ arachnoid granulations (villi)
 _____ pia mater
 _____ choroid plexus
 _____ denticulate ligament

Ventricles

_____ lateral ventricles
 _____ septum pellucidum
 _____ third ventricle
 _____ cerebral aqueduct
 _____ fourth ventricle

Spinal nerves

_____ cervical plexus
 _____ phrenic
 _____ brachial plexus
 _____ axillary
 _____ radial
 _____ median
 _____ ulnar
 _____ lumbar plexus
 _____ femoral
 _____ obturator
 _____ sacral plexus
 _____ sciatic
 _____ tibial
 _____ common fibular
 _____ superficial fibular
 _____ deep fibular
 _____ intercostal nerves

Autonomic NS

_____ sympathetic trunk
 _____ ganglia (paravertebral)

Brainstem

= medulla, pons, mid,
 cranial nerves

Midbrain

_____ cerebral peduncles
 _____ superior colliculus
 _____ inferior colliculus

Pons

Medulla Oblongata

_____ pyramids
 _____ olive

Cerebellum

_____ cerebellar hemisphere
 _____ vermis
 _____ transverse fissure
 _____ tentorium cerebelli
 _____ falx cerebelli
 _____ arbor vitae

Cerebrum

_____ cerebral hemisphere
 _____ cerebral cortex
 _____ gray matter
 _____ white matter
 _____ gyrus (convolution)
 _____ longitudinal fissure
 _____ falx cerebri
 _____ central sulcus
 _____ lateral sulcus
 _____ frontal lobe
 _____ parietal lobe
 _____ occipital lobe
 _____ temporal lobe
 _____ insula
 _____ corpus callosum
 _____ olfactory bulb
 _____ olfactory tract

Diencephalon

_____ thalamus
 _____ intermediate mass
 _____ hypothalamus
 _____ infundibulum
 _____ pituitary gland
 _____ pineal gland
 _____ mammillary bodies
 _____ optic nerve
 _____ optic tract
 _____ optic chiasm

Cranial Nerves

_____ I olfactory
 _____ II optic
 _____ III oculomotor
 _____ IV trochlear
 _____ V trigeminal
 _____ VI abducens
 _____ VII facial
 _____ VIII vestibulocochlear
 _____ IX glossopharyngeal
 _____ X vagus
 _____ XI accessory
 _____ XII hypoglossal