

SPINAL NERVES & CORD

- ✓ Complete the following statements concerning the spinal cord with the most appropriate term(s):

The terminal portion of the spinal cord is called the _____

The _____ is a strip of connective tissue that anchors the spinal cord to the coccyx bone.

The nerve bundles at the inferior end of the spinal cord are called the _____. They are surrounded by _____ fluid.

The three connective tissue meninges surrounding the spinal cord are (list from outer most to the inner most layer)

The space between the outer most meninges and the bony vertebrae is called the _____ and is the location of injections of anaesthesia.

The _____ are extensions of the pia mater that secure the spinal cord along its length to the dural sheath and vertebrae walls.

The _____ contains CSF and lays at the core of, and extends the entire length of the spinal cord. It is continuous with the fourth ventricle of the brain.

- ✓ Match the correct description of the spinal cord with the terms on the right.

_____ Anterior horns contain	A. Sensory axon terminals
_____ Posterior horns contain	B. White matter
_____ Nerve cells in dorsal root ganglion	C. Motor neuron cell bodies
_____ Gray matter connected by	D. Dorsal roots
_____ Afferent nerve fibers found in	E. Spinal nerve
_____ Dorsal and ventral roots join to form	F. Gray commissure
_____ Motor neuron cell bodies found in	G. Central Canal
_____ Myelinated axons found in	H. Sensory neurons
_____ Opening in gray commissure	K. Anterior gray horn

- ✓ Complete the following statements concerning spinal nerves with the most appropriate term:

The spinal nerves exit the vertebral column through the _____

There are _____ pairs of spinal nerves in the human body. C₁ belongs to the _____ region of the spinal cord while C₀ belongs to the _____ region.

Each spinal nerve is attached to the spinal cord by a dorsal _____
and a ventral _____.

After passing through the vertebral canal, each spinal nerve divides into two major
branches called the dorsal and ventral _____.

Which nerve plexuses are located in the regions described below?

Deep in the neck region _____
Neck and axilla of the arm _____
Psoas major muscle _____
Exit through pelvic outlet _____

Identify the name of the major nerves that innervate the following organs or
structures:

Diaphragm _____
Extensor muscles of the arm, forearm, and hand _____
Flexors of the arm and skin of lateral forearm _____
Flexors of the forearm, medial palm, and hand _____
Adductor muscles of the thigh _____
Thigh flexor and knee extensors _____
Abductor and extensor of the thigh _____
The largest nerve of the sacral plexus is the _____