NAME		

LAB TIME/DATE

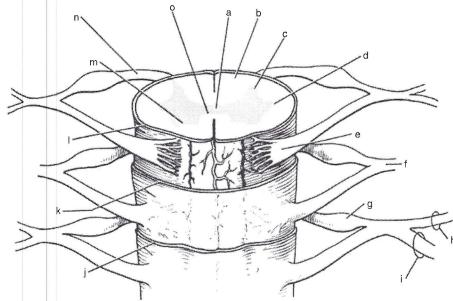
REVIEW SHEET

EXERCISE

Spinal Cord, Spinal Nerves, and the Autonomic Nervous System

Anatomy of the Spinal Cord

1.	Ma	tch eac	ch an	atomical to	erm in the key	to the descr	iptions g	iven be	low.			
	Key	v: a.	cau	da equina	b. cc	onus medulla	aris	c.	filum tern	ninale	d.	foramen magnum
			1.	most supe	erior boundary	of the spina	l cord					
	-		2.	meningeal	l extension bey	yond the spi	nal cord	erminu	s			
			3.	spinal cor	d terminus		33)					
			4.	collection	of spinal nerv	es traveling	in the ve	rtebral	canal belo	w the term	inus of	the spinal cord
2. Match the key letters on the diagram with the following terms.												
			1.	arachnoid	mater		6. dorsa		of spinal		11.	spinal nerve
	-		2.	central ca	nal		7. dura	mater			12.	ventral horn
			3.	dorsal hor	rn		8. gray		ssure	***************************************	13.	ventral ramus of spinal nerve
		***************************************	4.	dorsal ran spinal ner			9. later			····	14.	ventral root of spinal nerve
			5.	dorsal roo	ot ganglion		10. pia n	nater		***************************************	15.	white matter
						0						



8. Compare and contrast the meninges of the spinal cord and the brain. 9. How can you distinguish between the dorsal and ventral horns?

Spinal Nerves and Nerve Plexuses

cervical nerves	sacral nerves
lumbar nerves	thoracic nerves
The ventral rami of spinal nerves C_1 the	hrough T ₁ and T ₁₂ through S ₄ take part in forming
which serve the	of the body. The ventral rami of T_2 through T_{12} ru
between the ribs to serve the	The dorsal rami of the spinal nerve
serve	
	structures were damaged or transected? (Use the key choices for responses.)
Key: a. loss of motor function	b. loss of sensory function c. loss of both motor and sensory function
1. dorsal root of a spinal	nerve 3. ventral ramus of a spinal nerve
2. ventral root of a spinal	I nerve
Define plexus.	
Name the major nerves that serve the	following body areas.
	1. head, neck, shoulders (name plexus only)
	2. diaphragm
	3. posterior thigh
	4. leg and foot (name two)
	5. anterior forearm muscles (name two)
	6. arm muscles (name two)
	7. abdominal wall (name plexus only)
	8. anterior thigh
	9. medial side of the hand
M 9 W 96	
e Autonomic Nervo	
For the most port sympathetic and per	rasympathetic fibers serve the same organs and structures. How can they exert antag-