NAME	
LAB TIME/DATE	

EVIEW SHEET

Histology of Nervous Tissue

1. The b	asic functional unit of the nervous system is the		
2. Name for thi	four types of neuroglia in the CNS, and list a fas.)	anction for each of th	ese cells. (You will need to consult your textbook
Types		Functions	
a		a	
b		b	P &
c		c	
d			<u> </u>
u		d	
Name	the PNS glial cell that forms myelin.		
	each statement with a response chosen from the		
Key: a b c d	. central nervous system f. neurog efferent neuron g. neurotr		peripheral nervous system
	1. the brain and spinal cord collectively	7	
***************************************	2. specialized supporting cells in the C	NS	
***************************************	3. junction or point of close contact ber	ween neurons	
·	4. a bundle of nerve processes inside the	e CNS	
***************************************	5. neuron serving as part of the conduc	ion pathway between	sensory and motor neurons
	6. ganglia and spinal and cranial nerves		
	7. collection of nerve cell bodies found	outside the CNS	
dula (kandu	8. neuron that conducts impulses away	from the CNS to mus	cles and glands

	9. neuron that conducts impulses toward the CNS from the body periphery		
	10. chemicals released by neurons that stimulate or inhibit other neurons or effector	s	
N	euron Anatomy		
4.	. Match the following anatomical terms (column B) with the appropriate description or function (column	A).
	Column A	Co	lumn B
	1. region of the cell body from which the axon originates	a.	axon
	2. secretes neurotransmitters	b.	axon terminal
	3. receptive region of a neuron	c.	axon hillock
	4. insulates the nerve fibers	d.	dendrite
	5. site of the nucleus and most important metabolic area	e.	myelin sheath
	6. may be involved in the transport of substances within the neuron	f.	neurofibril
	7. essentially rough endoplasmic reticulum, important metabolically	g.	neuronal cell body
	8. impulse generator and transmitter	h.	Nissl bodies
5.	Draw a "typical" multipolar neuron in the space below. Include and label the following structures nucleus, nucleolus, Nissl bodies, dendrites, axon, axon collateral branch, myelin sheath, nodes and neurofibrils.		diagram: cell body, ier, axon terminals,
6.	What substance is found in synaptic vesicles of the axon terminal?		
	What role does this substance play in neurotransmission?		

266

Review Sheet 17

Make a simple line drawing of each type	here.	
Unipolar neuron	Bipolar neuron	Multipolar neuron
		neuron), and motor (efferent) neuron in the figu
Which of these neuron types is/are unipo	olar?	
Which is/are most likely multipolar?	70 ps	
which is/are most fixery indiupotar?		
		Receptors (thermal and pain in the skin)
		and pain in the skirly
	Effector (bicel brachii muscle	ps (a)
Describe how the Schwann cells form the	e myelin sheath and the neurilemn	na encasing the nerve processes.
		,
tructure of a Nerve		

	endoneurium:
	perineurium:
	epineurium:
12.	What is the function of the connective tissue wrappings found in a nerve?
13.	Define mixed nerve.

14. Identify all indicated parts of the nerve section.

