1) The brain and spinal cord together	r compose the	<u>A</u> _
A) central nervous system.		
B) autonomic division system.C) somatic motor division of the	nervous system	
D) peripheral nervous system.	nervous system.	
E) visceral nervous system.		
2) Interneurons are found	C, D (autonomic ganglia contain "intrinsic i	neurons"_
A) only in the brain.		
B) only in the spinal cord.		
C) only in the CNS.		
D) throughout the nervous system	n.	
E) only in spinal nerves.		
/	es information between the central nervous	_
system and the peripheral effectors is	s called the	<u>E</u>
A) axon hillock.		
B) varicosity.C) axon.		
D) dendrite.		
E) nerve.		
4) The Nernst equation predicts		D
A) intracellular ion concentration	ıs.	
B) extracellular ion concentration		
C) the membrane potential result	-	
-	ting from permeability to a single ion.	
E) the threshold membrane poten	itial.	
5) The rising phase of the action pote	ential is due to	<u>A</u> _
A) Na ⁺ flow into the cell only.		
B) Na ⁺ flow out of the cell only.		
C) K^+ flow out of the cell only.		
D) K ⁺ flow into the cell only.		
E) Na ⁺ flow out of the cell and K	ζ+ flow into the cell.	
6) The ion necessary to initiate the re	elease of acetylcholine into the synaptic cleft is	<u>C</u>
A) sodium.	- -	
B) potassium.		
C) calcium.		
D) chloride.		
E) zinc.		

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 7) If a hyperpolarizing graded potential and a depolarizing graded potential of similar magnitudes arrive at the trigger zone at the same time, what is most likely to occur? A) An action potential is fired off more quickly than usual. B) Nothing. They will cancel each other out. C) The cell becomes hyperpolarized. D) The cell becomes easier to excite. E) The cell dies. 	_ <u>B</u> _
8) The brain consumes about half of the circulating in the body. A) oxygen B) glucose C) sodium D) potassium E) fatty acids	_ <u>B</u> _
 9) Cell bodies of sensory neurons are located in A) propriospinal tracts. B) ventral root ganglia. C) ventral horns. D) dorsal horns. E) dorsal root ganglia. 	<u>E</u>
10) The structure that connects the two cerebral hemispheres is the A) basal nuclei.B) suprachiasmatic nucleus.C) corpus callosum.D) hippocampus.E) gray "H."	<u>C</u>
 11) Which brain area is considered to be a key integrating center for homeostasis? A) hypothalamus B) thalamus C) pituitary gland D) brain stem E) medulla 	<u>A</u>
 12) An important structure in both learning and memory is the A) cerebellum. B) pons. C) medulla. D) hippocampus. E) hypothalamus. 	<u>D</u>

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