AP Psychology Ch. 2 Web Quiz

1.	Messages from other neurons and sensory receptors are typically: A) collected by the synaptic vesicles. B) relayed by glial cells to the correct node of Ranvier. C) received by the dendrites. D) received by the axon terminals.			
2.	 The resting potential is: A) the length of time that a neuron is incapable of activating after an action potential. B) the term used to describe how the sympathetic nervous system reduces arousal and conserves energy. C) a state in which a neuron has a negative electrical charge of about -70 millivolts. D) is a state in which a neuron has a positive electrical charge of +70 millivolts. 			
3.	During the action potential: A) the electrical charge of the neuron changes from positive to negative. B) sodium ions rush into the interior of the axon. C) sodium ions rush out of the interior of the axon. D) potassium ions flow into the interior of the axon.			
4.	Reuptake occurs: A) when the brain shifts functions from damaged areas to undamaged areas. B) when sodium ion and potassium ion channels open. C) at the small gaps in the axon called the nodes of Ranvier. D) when neurotransmitter molecules are reabsorbed by the presynaptic neuron.			
5.	 Reduced brain levels of the neurotransmitter called are involved in the progressive memory loss that characterizes Alzheimer's disease. A) GABA B) serotonin C) dopamine D) acetylcholine 			
6.	The terms <i>autonomic</i> and <i>somatic</i> refer to the two main subdivisions of the: A) sympathetic nervous system. C) peripheral nervous system. B) central nervous system. D) parasympathetic nervous system.			
7.	The functions as the main link between the nervous system and the endocrine system A) adrenal medulla B) adrenal cortex C) amygdala D) hypothalamus			
8.	Epinephrine and norepinephrine are manufactured by the in the A) adrenal glands; endocrine system C) thyroid gland; limbic system B) pineal gland; endocrine system D) pituitary gland; limbic system			

9.	Structural plasticity: A) refers to the brain's ability to shift functions from damaged to undamaged brain areas.					
	B) occurs when neurotransmitters in the synaptic gap are blocked from being reabsorbed by the presynaptic neuron.					
	C)	C) refers to a phenomenon in which brain structures change in response to learning, active				
	D)	practice, or environmental influences. refers to the brain's ability to develop new r	euro	ns.		
10.		The lobe is involved in a person's ability to plan, initiate, and carry out voluntary				
		movements and actions. A) frontal B) occipital C) parietal D) temporal				
11.		According to the Critical Thinking box "'His' and 'Her' Brains?," which of the following is				
		FALSE? A) Men's brains tend to be much smaller than women's brains.				
	B) Women and men have different proportions of gray to white matter in their brains.					
	C) In general, the male brain is more asymmetrical and functions are more lateralized than in the female brain.					
	D)	Men's brains tend to be larger than women's	s brai	ns.		
12.	Petro is unable to articulate ideas or understand spoken or written language because of brain					
		age. Petro suffers from: Parkinson's disease.	C)	the aftereffects of the split-brain operation.		
	_	Alzheimer's' disease.	D)	aphasia.		
13.	Psyc	Psychologist and neuroscientist Roger Sperry is best known for:				
	-	his efforts to debunk the pseudoscientific cl		· -		
	,					
		identifying the specific brain areas involved	in di	fferent forms of aphasia.		
14.	Tom	Tom is a split-brain patient seated in front of a screen. As he focuses on the middle of the screen,				
		the image of an apple is briefly flashed on the LEFT side of the screen. Tom will:				
	A) be able to verbally name the object.B) be able to use his right hand to reach under the screen and pick up the correct object.					
	B) be able to use his right hand to reach under the screen and pick up the correct object. C) verbally deny that any image appeared on the screen.					
		probably have an epileptic seizure.				
15.	Kare	Karen is right-handed. A biopsychologist administers a PET scan of Karen's brain while Karen				
		listens to one of her favorite pieces of music, Beethoven's <i>Third Symphony</i> . Which area of				
	Karen's brain is likely to show the greatest activity on the PET scan? A) Broca's area B) Wernicke's area C) the cerebellum D) the right hemisphere					
16	The t	three types of neurons are:				
10.	A) excitatory, inhibitory, and myelinated.					
	B) sensory, motor, and interneurons.					
	C) interneurons, glial cells, and motor cells.					
	D)	glial cells, myelinated cells, and unmyelinat	ed ce	IIs.		

17.	A) cell body; dendrites B) axons; nucleus C) dendrites; axon D) axon; dendrites				
18.	 When neurotransmitters communicate an inhibitory message to the postsynaptic neuron: A) reuptake is inhibited. B) the presynaptic neuron is less likely to activate. C) the action potential is canceled out. D) the postsynaptic neuron is less likely to activate. 				
19.	The venom of the black widow spider bite causes to be released continuously by motor neurons, causing severe muscle spasms. A) acetylcholine B) dopamine C) GABA D) serotonin				
20.	represent bundles of axons that are to see with the eye. A) Nerves; large enough B) Interneurons; too small C) Neurons; large enough D) Chemical messengers; too small				
21.	 Janeen and Marty were strolling down a wooded path in a city park when a man holding a knife suddenly jumped out of the shrubbery. Rather than fight, Janeen and Marty decided to flee and took off running in the opposite direction. This quick reaction reflects the fight-or-flight response, which is triggered by the nervous system, which stimulates the to produce A) somatic; adrenal medulla; dopamine and serotonin 				
	 B) parasympathetic; adrenal cortex; melatonin and androgen C) sympathetic; adrenal medulla; epinephrine and norepinephrine D) central; hypothalamus; GABA and dopamine 				
22.	Although has been shown to be a pseudoscience, it helped introduce the idea that functions were in the brain.				
	A) phrenology; lateralized B) neuroscience; plastic or flexible C) the split-brain procedure; lateralized D) phrenology; localized				
23.	 The development of new neurons in the brain is called: A) neurogenesis. B) structural plasticity. C) neuroplasticity. D) functional plasticity. 				
24.	 The brainstem is made up of several structures, which include the: A) thalamus, hypothalamus, hippocampus, and amygdala. B) medulla, pons, cerebellum, reticular formation, and midbrain, including the substantia nigra. C) temporal lobe, parietal lobe, the occipital lobe, and frontal lobe. D) corpus callosum, cerebral cortex, and the structures that make up the limbic system. 				
25.	Samuel suffered damage to his temporal lobes during an operation to remove tumors from his brain. He is likely to have problems with his: A) vision. B) ability to smell and taste. C) hearing. D) ability to process somatosensory information.				

26.	26. Processing somatosensory information is to the lobe as seein A) parietal; temporal B) frontal; parietal C) temporal; occipitation					
27.	7. The is part of the limbic system and is involved in emotional responses and memories with a strong emotional component. A) amygdala B) thalamus C) hypothalamus D) medulla					
28.	Broca is to as Wernicke is to A) expressive aphasia; receptive aphasia B) left cerebral hemisphere; right cerebral hemisphere C) structural plasticity; functional plasticity D) receptive aphasia; expressive aphasia					
29.	 9. Most left-handed people: A) are right-hemisphere dominant for language, the opposite pattern as right-handed people. B) are left-hemisphere dominant for language, like most right-handed people. C) are bilateral, using both hemispheres equally for virtually all tasks, including speech and language tasks. D) are right-hemisphere dominant for language in their childhood but become increasingly more left-hemisphere dominant by early adulthood. 					
30.	,	improved by all of the stimulating events. Serent types of TV shows.				

Answer Key

- 1. C
- 2. C
- 3. B
- 4. D
- 5. D
- 6. C
- 7. D
- 8. A
- 9. C
- 10. A
- 10. A
- 12. D
- 13. C
- 14. C
- 15. D
- 16. B
- 10. B
- 18. D
- 19. A
- 19. A 20. A
- 21. C
- 22. D
- 23. A
- 24. B
- 25. C
- 26. D
- 27. A
- 28. A
- 29. B
- 30. D

