Psychology A Concise Introduction 4th Edition Griggs Test Bank

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- 1. In what way is a neuron like a miniature decision-making device?
 - A) It decides whether or not to accept incoming messages from other neurons.
 - B) It decides whether or not to manufacture neurotransmitters.
 - C) It decides whether or not to fire an impulse.
 - D) It decides how fast an impulse should travel down the axon.
- 2. Why do neural impulses travel faster in myelinated axons than in unmyelinated axons?
 - A) Myelin is a better conductor of electricity than other material in the axon.
 - B) The impulse leaps from gap to gap in the myelin sheath rather than traveling continuously down the axon.
 - C) Myelin prevents other substances from interfering with the impulse.
 - D) Unmyelinated axons are less developed than myelinated axons.
- 3. Treating Parkinson's disease with L-dopa may lead to which of the following?
 - A) an increase in the ability of dopamine to cross the blood-brain barrier
 - B) an increase in the amount of dopamine in the brain
 - C) an increase in schizophrenic symptoms
 - D) Treatment of Parkinson's disease with L-dopa may lead to both (b) and (c).
- 4. Why are drugs that block the reuptake of neurotransmitters considered agonists?
 - A) They keep neurotransmitters active in the synaptic gap.
 - B) They increase the production of neurotransmitters.
 - C) They attach to the receptor cells in the receiving neuron to transmit messages.
 - D) They encourage continuous release of neurotransmitters from the axon terminal.
- 5. Treating schizophrenia with antipsychotic drugs can lead to side effects that resemble Parkinson's disease because these drugs _____.
 - A) increase levels of dopamine activity
 - B) decrease levels of dopamine activity
 - C) destroy dopamine neurons in the brain
 - D) destroy dopamine receptors in the brain

6.	Sensory and	motor neurons are located	nervous system(s) and interneurons are
	located	_ nervous system.	

- A) in both the central and peripheral; only in the central
- B) in both the central and peripheral; only in the peripheral
- C) only in the central; only in the peripheral
- D) only in the peripheral; only in the central

7.		carry information to the CNS, whereas carry information from the CNS.
	A)	Motor neurons; interneurons
	B)	Interneurons; sensory neurons
	C)	Sensory neurons; motor neurons
	D)	Motor neurons; sensory neurons
8	Whi	ich statement about the sympathetic and parasympathetic nervous systems is
0.		LSE?
	A)	The two systems are connected to different glands and organs, thus explaining their dissimilar effects.
	B)	The sympathetic nervous system is called our "fight-or-flight" system because it prepares us for action in an emergency situation.
	C)	it returns the body to its normal resting state after arousal.
	D)	Both systems are part of the peripheral nervous system.
9.	neur A)	mones are released and carry their messages more than rotransmitters. into the bloodstream; quickly
		into the bloodstream; slowly
	D)	directly to their target sites; quickly directly to their target sites; slowly
	_,	answay so that ungerentes, elevating
10.	Wh	y is the pituitary gland referred to as the "master gland"?
	A)	
	B)	It controls the functioning of the somatic nervous system.
	C)	C
	D)	All of these are correct.
11.	arou	ording to the James-Lange theory of emotion, emotion occurs autonomic asal and the behavioral response. According to the Cannon-Bard theory of emotion,
	emo A)	before; after autonomic arousal and the behavioral response.
	B)	after; before
	C)	before; at the same time as
	D)	after; at the same time as
	,	·

12.	When you feel a slap on the left cheek of your face, the cortex in the lobe of the hemisphere is active. A) motor; frontal; right B) somatosensory; parietal; right C) motor; frontal; left D) somatosensory; parietal; left
13.	Sheila was in an accident in which she received damage to her cerebellum. Sheila is MOST likely to have difficulty A) understanding what she reads B) playing soccer C) storing information in short-term memory D) transferring information from short-term memory to long-term memory
14.	When you repeat aloud what someone else is saying, which accurately depicts the sequence of brain activity from the time you hear the initial sensory input until the time you prepare to pronounce the words? A) temporal lobe, Wernicke's area, Broca's area, motor cortex B) temporal lobe, Broca's area, Wernicke's area, motor cortex C) frontal lobe, Wernicke's area, Broca's area, somatosensory cortex D) frontal lobe, Broca's area, Wernicke's area, somatosensory cortex
15.	In laboratory testing of a split-brain patient, suppose a picture of a baseball is flashed only to the patient's left visual field. How would the split-brain patient be able to identify the baseball? A) by saying the word "baseball" B) by sense of touch, using the right hand C) by sense of touch, using the left hand D) by either saying the word "baseball" or by sense of touch, using the right hand
16	Why is RFM sleen sometimes referred to as paradoxical sleen?

- 16. Why is REM sleep sometimes referred to as paradoxical sleep?A) Brain waves are very slow, even if a person is dreaming about activity.
 - Body muscles are relaxed and immobilized, but the brain is active.
 - C) Sleepwalking may occur, but memory is not active enough to recall it.
 - D) Eyes are still, but people feel as if they are watching events in a dream.

Answer Key

- 1. C
- 2. B
- 3. D
- 4. A
- 5. B
- 6. D
- 7. C
- 8. A
- 9. B
- 10. C
- 11. D
- 12. B
- 13. B
- 14. A
- 15. C
- 16. B

1.	The human brain is estimated to consist of approximately nerve cells (neurons). A) 100 million B) 500 million C) 100 billion D) 500 billion
2.	The is the totality of the connections between neurons in your nervous system. A) genome B) connectome C) neuronome D) glianome
3.	The cells comprising the support system in the nervous system are the, and the cells responsible for receiving, sending, and integrating information in the nervous system are the A) neurons; glial cells B) glial cells; neurons C) glial cells; glial cells D) neurons; neurons
4.	Approximately percent of the cells in the human brain are glial cells. A) 10 B) 30 C) 60 D) 90
5.	Recent research suggests the function of glial cells includes all EXCEPT which of the following? A) Glial cells communicate with other glial cells. B) Glial cells release neurotransmitters. C) Glial cells strengthen and weaken neuronal connections. D) Glial cells insulate neurons and remove the waste products of neurons.
6.	Comparing the number and size of glial cells to neurons, we have glial cells than neurons; and glial cells are than neurons. A) more; smaller B) more; larger C) fewer; smaller D) fewer; larger

7.	Which part of the neuron looks like the branches of a tree? A) axon B) cell body C) dendrites D) myelin sheath
8.	The neuronal structure responsible for receiving information from other neurons is the
	A) axon B) axon terminal C) dendrite D) cell body
9.	receive information from nearby neurons and then electrical impulses travel down en route to other neurons. A) Axons; axons B) Axons; dendrites C) Dendrites; axons D) Dendrites; dendrites
10.	The process of neural transmission within a neuron begins at the and ends at the A) cell body; axon B) axon terminals; cell body C) cell body; dendrites D) dendrites; axon terminals
	Starting with incoming information, which of the following describes the sequence of neuronal transmission? A) dendrites → cell body → axon → axon terminal B) dendrites → axon terminal → axon → cell body C) axon → axon terminal → cell body → dendrite D) axon terminal → axon → cell body → dendrite
12.	The long, singular fiber leaving the cell body is the A) dendrite B) axon C) glial cell D) axon terminal

13.	other neurons? A) axon
	B) cell body
	C) dendrites
	D) axon terminals
14.	The contain(s) the nucleus of the neuron.
	A) axon
	B) dendrites
	C) cell body D) glial cell
	b) ghai cen
15.	Within neurons, communication is Between neurons, communication is A) chemical; chemical
	B) chemical; electrical
	C) electrical; chemical
	D) electrical; electrical
16.	In which instances will the cell body generate an impulse?
	A) Excitatory input and inhibitory input are equal.
	B) Inhibitory input outweighs excitatory input by a certain amount.
	C) Excitatory input outweighs inhibitory input by a certain amount.
	D) The cell body will generate an impulse if either (a) or (c) is true.
17.	For any particular neuron, an "all-or-nothing" event refers to which of the following?
	A) All impulses travel at the same speed, no matter how intense a stimulus is.
	B) All dendrites must receive input or the axon will not transmit an impulse.
	C) All axon terminals pass on information, or none do.
	D) All input must be excitatory or no information will travel down the axon.
18.	We are able to interpret varying intensities of stimuli (e.g., a pat versus a slap) because
	A) a single neuron can send an intense message or a less intense message
	B) special neurons send messages more intensely
	C) neurons send messages more frequently when we receive more intense stimuli
	D) each neuron sends a different type of signal

19.	A) B) C)	
20.	A) B) C)	ch statement about the speed of neural impulses is TRUE? Impulses in all neurons travel at the same speed. Impulses can travel as fast as 200 miles per hour. Impulses travel slower if an axon is encased in myelin. Impulses travel faster if the intensity of the stimulus is strong.
21.	A) B) C)	1
22.	A) B) C)	is an insulating layer of a white fatty substance. glial cell dendrite axon myelin sheath
23.	A) B) C)	myelin sheath the neural impulse because speeds up; the axon becomes narrower speeds up; the impulse "leaps" from one gap in the sheath to another slows down; the axon becomes wider slows down; the impulse is partially blocked by the myelin
24.	lead A) B) C)	dendrites; moving

25.	mul A)	destruction of the myelin sheath results in movement difficulties for sufferers of tiple sclerosis because unmyelinated axons transmit neural messages erratically, greatly slowing movement
		cell bodies cannot respond to dendritic messages when axons are unmyelinated the transmission of the neural impulses is greatly slowed when myelin deteriorates the all-or-nothing event is stopped when axons are unmyelinated
26.	A) B) C)	ite matter in the brain is composed of myelinated axons unmyelinated axons myelinated dendrites unmyelinated dendrites
27.	mill A) B) C)	outside layer of our cerebral hemispheres appears gray because it is composed of ions of neurotransmitters cell bodies and dendrites dendrites and glial cells myelinated axons
28.	A) B) C)	
29.		at happens when the impulse reaches the axon terminals? The impulse reverses direction and travels back to the cell body. The vesicles in the axon terminals fuse together. The vesicles in the axon terminals open and neurotransmitters enter the synaptic gap. The vesicles absorb neurotransmitters.
30.	Afte	er carrying their message across the synapse to the receptor sites, neurotransmitters
	A) B) C) D)	may be consumed by the brain for energy may be destroyed in the synaptic gap by enzymes may travel through the receptor sites into the next neuron None of the answers are correct.

31.	neuron? A) They are destroyed by enzymes.		
	B) They are taken back into the axon terminals of the sending neuron for reuse.C) Both answers are correct.D) Neither answer is correct.		
32.	Recycling is to aluminum cans as is (are) to neurotransmitters. A) reuptake B) synapses C) myelination; axons D) enzymes		
33.	Neurotransmitters A) bind to receptors on the axon B) specialize in transmitting information C) are reabsorbed into the dendrites after transmission in a process called reuptakeD) all of these		
34.	The synaptic gap is so small that synaptic gaps would fill one strand of human hair. A) one hundred B) five hundred C) two thousand D) ten thousand		
35.	 The synapse A) is the microscopic gap between neurons B) is a naturally occurring chemical in our nervous system that specializes in transmitting information C) was named by Santiago Ramün y Cajal D) both A and C are correct 		
36.	 In relation to neural transmission, what is happening during binding? A) Neurotransmitters attach themselves to cell bodies. B) Neurotransmitters travel from the axon to the axon terminals. C) Neurotransmitters attach to the axon terminals. D) Neurotransmitters attach to dendrite receptor sites. 		

37.	During reuptake		
	A) vesicles release neurotransmitter molecules into the synaptic gap B) neurotransmitter molecules cross the synaptic gap and attach to the receiving		
	neuron C) neurotransmitter molecules are reabsorbed into the sending neuron's axon terminals D) enzymes destroy unused neurotransmitters in the synaptic gap		
38.	, the father of neuroscience, won the Nobel Prize in 1906 for discovering synapses.		
	A) Michael Foster		
	B) Santiago Ramün y Cajal		
	C) Sir Charles Scott Sherrington		
	D) James Lange		
39.	first coined the term synapse.		
	A) Michael Foster		
	B) Santiago Ramün y CajalC) Sir Charles Scott Sherrington		
	D) James Lange		
	b) values bange		
40.	The brain consumes approximately percent of the body's oxygen.		
	A) 5 B) 10		
	C) 25		
	D) 50		
<i>1</i> 1	Approximately persont of the heady's blood supply is numbed to the brain		
41.	Approximately percent of the body's blood supply is pumped to the brain. A) 10		
	B) 20		
	C) 25		
	D) 40		
42.	Positron emission tomography (PET) scans would be useful in answering which of the following questions?		
	A) Which areas of the brain are active when a person is reading a book?		
	B) Is the left hemisphere or right hemisphere more involved in speech production?C) Does neural activity during speech differ between deaf and speaking individuals?		
	D) All the answers are correct		

43.	In studying the brain, the technique involves detection of radioactive substances and the technique involves the detection of the amount of oxygen being used by brain areas. A) fMRI; X-ray B) X-ray; PET scan C) fMRI; PET scan D) PET scan; fMRI
44.	The fMRI is preferred over the PET scan because A) it is much less costly B) health insurance is more likely to cover fMRIs than PET scans C) fMRIs are less invasive and produce sharper images D) The fMRI is preferable for all of these reasons.
45.	Prior to undergoing a brain scan, Brian takes a harmless dose of radioactive glucose. It is likely that Brian's doctor is using which technique? A) PET scan B) fMRI C) X-ray D) CT scan
46.	An agonist the activity of one or more neurotransmitters, and an antagonist the activity of one or more neurotransmitters. A) increases; increases B) increases; decreases C) decreases; increases D) decreases; decreases
47.	The neurotransmitter implicated in the memory losses associated with Alzheimer's disease is A) acetylcholine B) dopamine C) GABA D) serotonin
48.	Acetylcholine (ACh) is a neurotransmitter that is involved in A) control of arousal and mood states B) pain relief C) inhibitory control D) muscle movement

49.	Botulinum poison, an for acetylcholine (ACh), works by A) antagonist; blocking receptor sites for ACh		
	B) antagonist; blocking release of ACh		
	C) agonist; stimulating receptor sites for AChD) agonist; stimulating release of ACh		
	b) agomst, stimulating forcase of rich		
50.	Which poison initially acts as an agonist for acetylcholine (ACh) by causing its continuous release?		
	A) black widow spider venom		
	B) botulinum		
	C) curare		
	D) All of these poisons.		
51.	Considering their effects on acetylcholine (ACh), the poison curare and the poison botulinum		
	A) stimulates release; blocks release		
	B) occupies receptor sites; stimulates releaseC) occupies receptor sites; blocks release		
	D) blocks release; occupies receptor sites		
52.	In which of the following ways may a drug or poison have an agonistic effect on a neurotransmitter?		
	A) stimulating release		
	B) inhibiting releaseC) stimulating neurotransmitter breakdown		
	D) blocking receptor sites		
53.	Black widow spider venom is to ACh as an antianxiety drug is to GABA		
	A) agonistic; antagonisticB) antagonistic; agonistic		
	C) agonistic; agonistic		
	D) antagonistic; antagonistic		
5/1	Low levels of the neurotransmitter are associated with Parkinson's disease.		
J 4 .	A) ACh		
	B) dopamine		
	C) serotonin		
	D) GARA		

55.	 Why has Parkinson's disease been treated by injections of L-dopa rather than injections of dopamine? A) Dopamine cannot be made into a drug. B) Dopamine cannot cross the blood-brain barrier. C) L-dopa has fewer side effects than dopamine when taken as a drug. D) L-dopa is less expensive to manufacture than dopamine.
56.	 What are the disadvantages of using L-dopa as a treatment for Parkinson's disease? A) L-dopa becomes less effective as the disease progresses. B) L-dopa is not effective for all Parkinson's patients. C) Side effects of taking L-dopa resemble the symptoms of schizophrenia. D) All of these are disadvantages.
57.	In which of the following ways may a drug or poison have an antagonistic effect on a neurotransmitter? A) blocking reuptake B) stimulating production C) blocking release D) both A and C are correct
58.	is a neurotransmitter involved in thought processes and physical movement. A) Serotonin B) Norepinephrine C) Dopamine D) GABA
59.	Dopamine activity is believed to be among schizophrenics and among Parkinson's disease sufferers. A) lower; lower B) higher; higher C) higher; lower D) lower; higher
60.	Amphetamines act as a dopamine by A) agonist; stimulating dopamine release B) agonist; blocking reuptake of dopamine C) antagonist; stimulating dopamine release D) antagonist; blocking reuptake of dopamine

61.		aine acts as a dopamine by
	A)	
	B)	
	C)	
	D)	antagonist; blocking reuptake of dopamine
62.		phetamines are to cocaine as is to
	A)	
	B)	
	C)	
	D)	dopamine antagonist; dopamine antagonist
63.		surable mood effects of addictive drugs are associated with the release of
	A)	
	B)	±
	C) D)	1 1
	D)	UADA
64.		aine blocks the reuptake of all of the following EXCEPT
	A)	1
	B)	
	C)	1 1
	(ע	GABA
65.		is a neurotransmitter involved in levels of arousal and mood that is influenced by
	_	gs such as Zoloft.
		Serotonin
	B)	
	C) D)	Dopamine ACh
	D)	ACII
66.		is a neurotransmitter involved in sleeping and eating.
	A)	Serotonin
	B)	GABA
	C)	Dopamine
	D)	ACh

67.		v do drugs such as Prozac work to reduce depression?
	A) B)	They block the reuptake of serotonin. They block the release of serotonin.
		They block the reuptake of GABA.
	D)	They block the release of GABA.
68.	Hov	v do drugs such as Cymbalta and Effexor work to reduce depression?
	A)	They block the reuptake of serotonin only.
	B)	
	C)	1 1
	D)	They block the release of serotonin and norepinephrine.
69.		is the main excitatory neurotransmitter in the nervous system, whereas is main inhibitory neurotransmitter in the nervous system.
		Glutamate; GABA
		GABA; glutamate
	-	Serotonin; dopamine
	D)	Dopamine; serotonin
70.		kes are to an automobile as is to the nervous system.
	A) R)	dopamine GABA
		serotonin
		glutamate
71.	The	main inhibitory neurotransmitter in the nervous system is .
	A)	·
	B)	norepinephrine
	C)	glutamate
	D)	dopamine
72.	Vali	um, an for GABA, is often prescribed to
	A)	agonist; reduce anxiety
	B)	agonist; increase arousal
	C)	antagonist; reduce anxiety
	D)	antagonist; increase arousal

73.	It has been suggested that a lack ofactivity may contribute to epilepsy. A) dopamine B) ACh C) glutamate D) GABA
74.	Jose has epilepsy and has been prescribed Valium, a agonist, to help block epileptic convulsions. A) serotonin B) norepinephrine C) GABA D) glutamate
75.	The neurotransmitter(s) involved in pain perception and pain relief is (are) A) GABA B) ACh C) endorphins D) dopamine
76.	Morphine and heroin produce their pain relieving effects by A) releasing serotonin B) binding to serotonin receptors C) releasing endorphins D) binding to endorphin receptors
77.	 How do morphine and heroin reduce pain? A) They prevent the reuptake of dopamine. B) They prevent the release of GABA. C) They block the receptor sites for serotonin. D) They stimulate the receptor sites for endorphins.
78.	While exercising, Sally experiences a "runner's high" that is associated with an increase in levels of A) acetylcholine B) endorphins C) GABA D) norepinephrine

79.	Shelby had been receiving acupuncture to help relieve her pack pain. Acupuncture may partially be explained as stimulation of A) endorphins B) glutamate C) serotonin D) norepinephrine
80.	The brain is part of the nervous system and the spinal cord is part of the nervous system. A) central; central B) central; peripheral C) peripheral; central D) peripheral; peripheral
81.	The sympathetic nervous system is to as the parasympathetic nervous system is to A) internal environment; external environment B) external environment; internal environment C) fight-or-flight; rest-and-digest D) rest-and-digest; fight-or-flight
82.	After a good meal, Jane is relaxing comfortably as her food digests, suggesting her nervous system is in control. When she is frightened by a loud noise, Jane's digestion is inhibited and her heartbeat accelerates, suggesting her nervous system is in control. A) sympathetic; sympathetic B) sympathetic; parasympathetic C) parasympathetic; sympathetic D) parasympathetic; parasympathetic
83.	carry information to the CNS, whereas carry information from the CNS. A) Motor neurons; interneurons B) Interneurons; sensory neurons C) Sensory neurons; motor neurons D) Motor neurons; sensory neurons

04.	A) B) C)	sensory neurons motor neurons interneurons PK cells
85.	A) B)	Motor neurons Intraneurons
86.	A) B) C)	ch function does the spinal cord serve? It is the pathway for incoming sensory messages to the brain. It is the pathway for outgoing messages from the brain about motor movements. It controls reflexes such as the knee-jerk reflex that do not involve the brain. All the answers are correct.
87.	A) B) C)	parasympathetic; sympathetic internal; external involuntary; voluntary fight; flight
88.	hear the c	inner, while John converses with friends, his nervous system controls his trate and respiration. His nervous system regulates his stomach and control digestion of food. somatic; somatic somatic; autonomic autonomic; somatic autonomic; autonomic
89.	mov the o A) B) C)	somatic; autonomic

90.		are chemical messengers produced by the endocrine glands and transmitted
	<u>A)</u>	Neurotransmitters; in the bloodstream
	B)	Hormones; across the synapse
	C)	Neurotransmitters; across the synapse
	D)	Hormones; in the bloodstream
91.		najor difference between hormones and neurotransmitters is that
	A)	hormones are part of the peripheral nervous system and neurotransmitters are part of the central nervous system
	B)	neurotransmitters are released at their target site whereas hormones are carried through the bloodstream to target sites
	C)	there are significantly more hormones in the body than neurotransmitters
	D)	only hormones are capable of influencing male sexual activity through the effects of testosterone
92.		rotransmitters are to as hormones are to neurons; endocrine glands
		endocrine glands; neurons
		CNS; PNS
		PNS; CNS
93.	The	, releasing hormones essential for human growth, is (are) controlled by the
	Δ)	pituitary gland; hypothalamus
		hypothalamus; pituitary gland
		adrenal glands; pancreas
		pancreas; adrenal glands
94.	The	"master gland" of the endocrine system is the
		pituitary gland
	,	hypothalamus
		adrenal gland
	D)	thyroid gland

95.	likel A) B) C)	y linked to a problem with the thyroid gland pituitary gland hypothalamus pancreas
96.	A) B) C)	enal glands are involved in, whereas the thyroid gland is involved in regulating metabolism; digestion and maintaining blood-sugar levels digestion and maintaining blood-sugar levels; regulating metabolism triggering the fight-or-flight response; releasing hormones affecting growth and maturation releasing hormones essential for human growth; triggering the fight-or-flight response
97.	Whi A) B) C)	of these statements about the physical component of emotion are true except one. ch is FALSE? The physical component of emotion involves the autonomic nervous system. When we are aroused, the sympathetic nervous system increases blood pressure. Different emotions seem to lead to subtly different patterns of arousal. We have a lower body temperature when we are angry than when we are afraid.
98.	A)	ch of the following is BEST explained by the facial-feedback hypothesis? We are more likely to respond with smiling faces to crying babies than with smiling faces to smiling babies. We smile at others when we are sad because we want them to smile back at us. Our brains use our facial expressions to determine the emotions we are experiencing. When you see someone you care about, your brain registers the happiness you feel by triggering the smile response.
99.	feed which A) B)	g smile is an example of the component of emotion. According to the facial-back hypothesis, our facial muscles send a message to the that determines the emotion is being experienced. physical; brain physical; heart behavioral; brain behavioral; heart

- 100. In the _____ theory of emotion, the physiological arousal and behavioral response ____ the emotional feeling.
 - A) James-Lange; precede
 - B) James-Lange; follow
 - C) Cannon-Bard; precede
 - D) Cannon-Bard; follow
- 101. Walking down a dark, deserted street, Brian suddenly hears footsteps behind him. He starts to sweat and begins to run down the street, interpreting his sweating and running as an indication of fear. This particular description of an emotional experience MOST directly agrees with which theory of emotion?
 - A) Cannon-Bard
 - B) James-Lange
 - C) LeDoux
 - D) Schachter and Singer's two-factor theory
- 102. Which statement reflects the Cannon-Bard theory of emotion?
 - A) The racing heartbeat we feel when afraid is indistinguishable from the racing heartbeat we feel in the presence of a romantic partner.
 - B) The racing heartbeat and increased skin sensitivity we feel in the presence of a romantic partner is interpreted as the emotion of love.
 - C) The physiological, behavioral, and cognitive responses to the presence of a romantic partner occur in varying orders depending on contextual factors, such as time of day and frequency of exposure.
 - D) All the answers are correct.
- 103. Alone in an isolated vacation cabin, Kristie hears the sound of a window breaking. Simultaneously, she feels very nervous, runs to the phone to call 911, and experiences the emotion of fear. This particular description of an emotional experience MOST directly agrees with which theory of emotion?
 - A) Cannon-Bard
 - B) James-Lange
 - C) LeDoux
 - D) Schachter and Singer's two-factor theory
- 104. What are the two factors in Schachter and Singer's two-factor theory?
 - A) physiological arousal and behavioral response
 - B) behavioral response and emotional feeling
 - C) cognitive appraisal and emotional feeling
 - D) physiological arousal and cognitive appraisal

105.	When he saw the tornado cloud approach his home, Jason's level of arousal was extremely high. Cognitively appraising the situation and his arousal, Jason labeled his emotion as fear. This particular description of an emotional experience in which cognitive appraisal precedes an emotion MOST directly agrees with which theory of emotion? A) Cannon-Bard B) James-Lange C) LeDoux D) Schachter and Singer's two-factor theory
106.	proposed that there are different brain systems for different emotions. A) James-Lange B) Cannon-Bard C) Schachter-Singer D) LeDoux
107.	Liz died from a drug overdose that impaired her ability to breathe. It is likely that the drug suppressed the functioning of the A) medulla B) pons C) cerebellum D) hypothalamus
108.	Which structure in the central core is involved in sleep and dreaming? A) thalamus B) reticular formation C) pons D) medulla
109.	The medulla is responsible for, whereas the reticular formation is involved in
	 A) controlling essential body functions; modulating levels of arousal and consciousness B) modulating levels of arousal and consciousness; coordinating movements and balance C) coordinating movements and balance; controlling essential body functions D) relaying sensory information; modulating levels of arousal and consciousness

110.	A) B) C)	essential body functions; levels of arousal and consciousness levels of arousal and consciousness; essential body functions coordination of our movements and balance; involvement in sleeping and dreaming involvement in sleeping and dreaming; coordination of our movements and balance
111.	A) B) C)	ch is included in the central core of the brain? amygdala brain stem cerebellum Both brain stem and cerebellum are included in the central core of the brain.
112.	A) B)	ch structure is NOT in the central core of the brain? medulla basal ganglia thalamus amygdala
113.	part	or daily lives, we are constantly exposed to a wide array of sensory stimuli. What of the brain is involved in deciding which of these stimuli enter our conscious reness?

- A) thalamus
- B) reticular formation
- C) basil ganglia
- D) amygdala
- 114. Which of the following is TRUE?
 - A) The basal ganglia serve as a relay station for incoming sensory information.
 - B) The cerebellum is concerned mainly with the coordination of physical movements.
 - C) The thalamus is responsible for our different levels of arousal and consciousness.
 - D) The reticular formation is involved in essential body functions such as heartbeat, breathing, blood pressure, digestion, and swallowing.

115.	After an accident, Carl has some difficulty keeping his balance and also seems to have forgotten how to ride a bike. It is MOST likely that Carl has suffered damage to which brain structure? A) cerebellum B) hippocampus C) hypothalamus D) thalamus
116.	A ballet dancer's ability to coordinate a variety of physical movements during performances would be disrupted after damage to which of the following? A) cerebellum B) amygdala C) hippocampus D) hypothalamus
117.	Following a night of drinking, Stephen is unsteady and cannot walk in a straight line. These uncoordinated movements are likely due to the effect of alcohol on the A) pons B) cerebellum C) thalamus D) hypothalamus
118.	 Which of the following statements is TRUE? A) The thalamus serves as a relay station for incoming sensory information. B) The cerebellum is concerned mainly with the coordination of physical movements. C) The reticular formation is responsible for our different levels of arousal and consciousness. D) All of these statements are true.
119.	is to coordinating movement as is to initiating movement. A) Basal ganglia; cerebellum B) Cerebellum; basal ganglia C) Medulla; thalamus D) Thalamus; medulla

120.	 How is Huntington's chorea similar to Parkinson's disease? A) Both involve difficulties in movement. B) Both involve the basal ganglia. C) Both involve an imbalance of neurotransmitters. D) All the answers are correct. 	
121.	Parkinson's disease is to as Huntington's disease is to A) dopamine deficits; GABA and acetylcholine deficits B) GABA and acetylcholine deficits; dopamine deficits C) dopamine overactivity; serotonin deficits D) serotonin deficits; dopamine overactivity	
122.	 Which three structures are found in the limbic system? A) hypothalamus, medulla, hippocampus B) thalamus, hypothalamus, medulla C) hypothalamus, hippocampus, amygdala D) hypothalamus, medulla, amygdala 	
123.	The limbic system plays an important role in A) basic bodily functions such as heartbeat, breathing, and blood pressure B) relaying incoming sensory information C) the initiation and execution of physical movements D) our survival, emotion, and memory	
124.	 Which functions are regulated by the hypothalamus? A) operation of basic drives such as eating B) operation of the somatic nervous system C) operation of procedural memory D) The hypothalamus controls both operation of basic drives and the somatic system. 	nervous
125.	Hypothalamus is to as hippocampus is to A) eating; drinking B) drinking; eating C) memory; sex D) sex; memory	

126.	A) forming new memories B) creating new neurons C) controlling emotions like anger and fear D) neurogenesis
127.	Fred Gage discovered that the hippocampus was capable of creating new neurons through his study of A) Phineas Gage's brain B) postmortem brains of cancer victims C) H. M.'s brain D) postmortem brains of Huntington's chorea victims
128.	The hippocampus is involved in, whereas the amygdala is involved in A) regulating aggression and fear; maintaining an internal equilibrium B) maintaining an internal equilibrium; regulating aggression and fear C) forming memories; regulating aggression and fear D) maintaining an internal equilibrium; forming of memories
129.	Violent rhesus monkeys become tame and docile following surgical removal of their A) hippocampus B) thalamus C) amygdala D) hypothalamus
130.	The structure that allows the two cerebral hemispheres to communicate is the A) cerebral cortex B) hippocampus C) corpus callosum D) central core
131.	The differentiates the human brain from that of all other animals. A) cerebellum B) cerebral cortex C) corpus callosum D) central core

132.	The right and left hemispheres of the brain are connected by the and are cover by the A) association areas; motor cortex B) motor cortex; association areas	red
	C) corpus callosum; cerebral cortex D) cerebral cortex; corpus callosum	
133.	The frontal lobe is located the lateral fissure, and the temporal lobe is located the lateral fissure. A) above; above B) above; below C) below; above D) below; below	
134.	The parietal lobe is located the central fissure and the lateral fissure. A) in back of; above B) in back of; below C) in front of; above D) in front of; below	
135.	The part of the brain that enables you to feel someone holding your hand is in thelobe. A) parietal B) temporal C) occipital D) frontal	
	Interpreting body sensation is to as motor movement is to A) temporal lobe; parietal lobe B) parietal lobe; frontal lobe C) frontal lobe; parietal lobe D) occipital lobe; frontal lobe	
137.	The proportion of space in the motor cortex devoted to a specific body part depends which of the following? A) the size of the body part B) the location of the body part C) the sensitivity of the body part D) the precision of movement made by the body part	on

138.	Mot	or cortex is to as somatosensory cortex is to
	A)	frontal lobe; parietal lobe
	B)	parietal lobe; temporal lobe
		frontal lobe; temporal lobe
		occipital lobe; frontal lobe
	D)	occipian 1000, nonan 1000
139.	The	amount of space for body parts in the motor cortex is allocated according to
		the amount of space for body parts in the somatosensory cortex is allocated
		ording to .
		the size of the body part; the size of the body part
	B)	the precision and complexity of the movement of the body part; the sensitivity to
	D)	touch of the body part
	C)	the precision and complexity of the movement of the body part; the size of the
	C)	body part
	D)	the size of the body part; the sensitivity to touch of the body part
	D)	the size of the body part, the sensitivity to toden of the body part
140.	The	amount of space devoted to each part of the body in the somatosensory cortex
	is	
	A)	greater for larger parts, such as the torso
		related to the size of a specific body part
		related to the sensitivity of a specific body part
	D)	the same for all body parts, excluding the lips, hands, and feet, which receive
		greater space
141.	Who	en the doctor gives Takisha an injection in her right arm, the temporary pain of the
		the is registered by the cortex in her hemisphere.
	A)	
		motor; right
	-	somatosensory; left
		somatosensory; right
	D)	somatosensory, right
142.	It is	possible for people to be conscious during brain surgery because .
	A)	local anesthesia can be applied to the surface of the brain
	B)	the brain does not have pain receptors
		the somatosensory cortex can be inhibited
	,	pain signals cannot travel when local anesthesia is applied to the cortex

143.		homunculi for the motor and somatosensory strips were determined by Santiago Ramün y Cajal
	,	Sir Charles Scott Sherrington
	_	Walter Cannon
	D)	Wilder Penfield
144.	Afte	er an accident, Carla experienced visual and auditory difficulties. It is MOST likely
		she suffered damage to her lobes.
		frontal and occipital
		occipital and temporal temporal and parietal
		parietal and frontal
145.	The	auditory cortex is located in the, and the visual cortex is located in the
	-	temporal lobes; occipital lobes
	-	occipital lobes; temporal lobes
		temporal lobes; frontal lobes
	(ע	occipital lobes; parietal lobes
146.	proc mov A) B) C)	ability to enjoy the beautiful dance movements in a ballet performance results from ressing in the lobe. The ability to enjoy the music accompanying the dance rements results from processing in the lobe. occipital; temporal temporal; occipital frontal; parietal parietal; frontal
147.	Occ	ipital lobes are to as parietal lobes are to
	A)	movement of body parts; interpreting body sensation
	B)	interpreting visual information; interpreting body sensation
	C) D)	interpreting visual information; interpreting auditory information interpreting body sensation; movement of body parts
	D)	interpreting body sensation, movement or body parts
148.		cortical areas in the brain, except those devoted to primary sensory or motor
	-	ressing, are referred to as
		cognitive cortex association cortex
	/	Wernicke's cortex
		Broca's cortex
	,	

149.	is a rare neurological condition in which otherwise normal people have cross-sensory experiences in which stimulation in one sensory modality leads to automatic activation in another modality. A) Parkinson's disease B) Synesthesia C) Schizophrenia D) Epilepsy
150.	Shauna sees the sound of a guitar as blue, a characteristic of a neurological condition called A) epilepsy B) myasthenia gravis C) synesthesia D) aphasia
151.	The majority of the cortex, devoted to the of information, is called the cortex. A) initial detection: sensory B) initial detection; association C) integration; sensory D) integration; association
152.	Approximately percent of the cortex is association cortex. A) 40 B) 50 C) 70 D) 80
153.	The fusiform face area (FFA) is located in the lobe. A) frontal B) parietal C) occipital D) temporal

154.	When Pamela recognized her mother's factors was most active. A) left; parietal B) right; parietal C) left; temporal D) right; temporal	ace, the hemisphere of her l	lobe
155.	Brandon was told by a psychologist that I difficulty A) seeing colors B) recognizing people by their faces C) hearing a conversation with backgro D) remembering people's names		ıas
156.	Neurobiological research on the adolesce of the lobe may partially explain the common among adolescents. A) frontal B) parietal C) occipital D) temporal		
157.	Phineas Gage's accident led neuroscientis A) frontal lobes in impulse control B) occipital lobes in vision C) parietal lobes in sensitivity to pain D) temporal lobes in hearing	sts to hypothesize the involvement of the	÷
158.	The lobes are important for planning A) frontal B) parietal C) occipital D) temporal	ing, decision making, and personality.	

159.		ca's area, involved in the of speech, is most often located only in the nisphere.
		production; left
	-	production; right
		comprehension; left
		comprehension; right
160.	An	impairment in generating fluent speech is called, whereas an impairment in
	lang	guage comprehension is called
	A)	Broca's aphasia; association aphasia
	-	Wernicke's aphasia; Broca's aphasia
		association aphasia; Wernicke's aphasia
	D)	Broca's aphasia; Wernicke's aphasia
161.	Wh	ich statement about language areas in the brain is TRUE?
101.		Broca's area and Wernicke's area are located in the left hemisphere in the majority of people.
	B)	
	D)	speech.
	C)	Wernicke's area, located in the left frontal lobe, is responsible for comprehension
	-,	of speech and text.
	D)	All of these statements are true.
162.	Bro	ca's area is to the lobe as Wernicke's area is to the lobe.
		frontal; temporal
		temporal; frontal
		parietal; occipital
	D)	occipital; parietal
163.	Inte	restingly, damage to Broca's area not only influences, it also influences
	<u>A)</u>	language comprehension; language production
	B)	language production; the ability to use sign language
	C)	the ability to use sign language; language comprehension
		the ability to sing; the ability to use sign language

164.	After an accident, David has difficulty understanding what other people say to him. It is highly probable that David has suffered damage to A) his frontal lobe B) his parietal lobe C) Wernicke's area D) Broca's area
165.	It is estimated that approximately of left-handers process speech in the left hemisphere. A) 10 percent B) 30 percent C) 50 percent D) 70 percent
166.	 How did Einstein's brain differ from a "normal" brain? A) It was much larger in overall size. B) The cerebral cortex had a much larger surface area. C) The cerebellum was much larger. D) The corpus callosum was much thinner.
167.	Severing the corpus callosum has been used as a medical treatment for severe cases of A) depression B) epilepsy C) multiple personality disorder D) schizophrenia
168.	In severe cases, surgeons have severed the in humans to reduce the symptoms of A) cerebral cortex; epilepsy B) corpus callosum; epilepsy C) cerebral cortex; aphasia D) corpus callosum; aphasia
169.	Visual information in the left visual field is processed by and then routed to the hemisphere. A) only the right eye; left B) only the left eye; right C) both eyes; left D) both eyes; right

1/0.	. If a split-brain patient has a picture of a spoon flashed briefly in his left visual field,	
	A) the image will be processed in his left hemisphere B) the image will be processed in his right hemisphere C) the patient will be able to identify the image with his right hand D) the patient will be able to say that he saw a spoon	
171.	 Which statement concerning hemispheric specialization is FALSE? A) Most right-handers process speech in the left hemisphere, and most left-handers process speech in the right hemisphere. B) More right-handers than left-handers process speech in the left hemisphere. C) The ability to produce speech and the ability to use sign language are both processed primarily in the left hemisphere. D) None of these is false. 	
172.	A person suffering a stroke that produces severe damage to the left hemisphere might experience difficulty with which of these tasks? A) drawing a map B) recognizing faces C) completing a block design puzzle D) balancing a checkbook	
173.	In laboratory testing of a split-brain patient, suppose a picture of a dog is flashed to the patient's left visual field and a picture of a cat is flashed to the right visual field. Which of the pictures could the split-brain patient verbally identify? A) both the cat and the dog B) only the cat C) only the dog D) neither the cat nor the dog	
174.	A split-brain patient is presented with a lime to her right visual field and a lemon to her left visual field. If asked to say orally what she saw, her response would be If asked to point with her left hand to what she saw, she would point at the A) lime; lime B) lemon; lemon C) lime; lemon D) lemon; lime	

175.	 In general, the left hemisphere is more involved in tasks and is more involved in tasks. A) analytic; spatial B) spatial; analytic C) verbal; mathematical D) mathematical; verbal 	the right hemisphere
176.	 In general, the left hemisphere is more involved in tasks. A) analytic B) spatial C) facial recognition D) holistic processing 	
177.	 Left hemisphere is to as right hemisphere is to A) flowers; buds B) trees; forest C) verbal; analytical D) analytical; verbal 	
178.	 In general, the right hemisphere is more involved in tasks. A) analytic B) spatial C) logic D) verbal 	
179.	 Which statement BEST describes the scope of consciousness? A) We are conscious of the overwhelming majority of our brain a B) We are conscious of how the brain processes information. C) We are conscious of both how the brain processes information that processing. D) We are conscious of our inner thinking and feeling and what i external environment. 	and the results of
180.	is to electrical activity as is to oxygen use. A) PET; fMRI B) PET; EEG C) fMRI; PET D) EEG; fMRI	

181.	is used to monitor electrical activity via small electrodes attached to the scalp.
	A) PET B) CT C) fMRI D) EEG
182.	A doctor has suggested that Dwayne should undergo a sleep study to determine why he is having difficulty sleeping. When Dwayne arrives at the study, the doctors use a(n) to measure his brain waves as he sleeps. A) PET B) fMRI C) EEG D) EOG
183.	Sleep researchers have hypothesized that sleep spindles, occurring during sleep, serve to the brain's sensitivity to sensory input. A) Stage 2; decrease B) Stage 2; increase C) REM; decrease D) REM; increase
184.	As we progress from Stage 1 to Stage 4 sleep, which statement BEST describes how our brain waves change? A) They become faster and larger. B) They become faster and smaller. C) They become slower and larger. D) They become slower and smaller.
185.	Stage 2 sleep is characterized by the presence of, and Stage 4 sleep is characterized by the presence of A) sleep spindles; delta waves B) delta waves; sleep spindles C) sleep spindles; alpha waves D) alpha waves; sleep spindles

- 186. Although we may dream about running, it is unlikely that we can even walk while we are dreaming. Why is it unlikely that we can actually walk while we are dreaming? A) Our brain is not consuming enough oxygen to support walking. B) We are too tired to walk. C) Our bodies are essentially paralyzed. D) Our eyelids are closed, and we would get hurt if we walked. 187. Which statement concerning dreaming is FALSE? A) We spend about two hours per night dreaming. B) We are most likely to remember dreams from our last phase of REM sleep. C) REM is the stage in which most dreaming occurs. D) Some individuals do not dream as evidenced by their inability to recall dreams. 188. One possible reason why dreams seem highly emotional is that during REM sleep, the frontal lobes are _____ and the amygdala and hippocampus are _____. A) shut down; shut down B) shut down; active C) active; shut down D) active; active 189. Which of the following has NOT been asserted as resulting from sleep deprivation? A) muscle mass loss B) suppression of the immune system C) feelings of weakness and discomfort D) loss of appetite 190. Which of the following has/have been asserted as resulting from sleep deprivation? A) hallucinations B) REM sleep rebound C) suppression of the immune system D) All of these.
- 191. Which of the following has been proposed as a function of sleep?
 - A) restoring the brain and body
 - B) consolidating memory
 - C) adapting to a dangerous environment
 - D) All of these functions.

192. According to the activation-synthesis hypothesis, we dream because the brain . A) needs to consolidate and synthesize daily activities B) actively synthesizes newly acquired information during dreaming C) attempts to make sense of the random neural activity that occurs during sleep D) needs time to rest from the active synthesizing of information that occurs during normal awake periods 193. What is the main idea of the activation-synthesis hypothesis? A) Dreams activate emotions and beliefs so we can synthesize them with actual events. B) Dreams help us synthesize newly learned information by activating the hippocampus. C) Dreams are an attempt to synthesize random neural activity generated by the pons. D) Dreams activate unsolved problems so we can synthesize better solutions. 194. Which of the following is a major criticism of the activation-synthesis hypothesis? A) It fails to explain why not all individuals remember their dreams. B) Dream content is often more incoherent, bizarre, and confusing than would be expected. C) Dream content is more consistent over time than would be expected. D) It fails to explain why young children recall their dreams more often than older children. theory of dreams suggests that dreams result from our normal cognitive processes, but they use self-generated sensory data during sleep rather than external sensory input as they do when we are awake.

- B) Neurocognitive
- C) REM-rebound
- D) Brain activation

Answer Key

- 1. C
- 2. B
- 3. B
- 4. D
- 5. B
- 6. A
- 7. C
- 8. C
- 9. C
- 10. D
- 11. A
- 12. B
- 13. B
- 14. C
- 15. C
- 16. C
- 17. A
- 18. C
- 19. B
- 20. B
- 20. B
- 22. D
- 23. B
- 24. D
- 25. C
- 26. A
- 27. B
- 28. A
- 29. C
- 30. B
- 31. C
- 32. A
- 33. B
- 34. C
- 35. A
- 36. D
- 37. C
- 38. B
- 39. C
- 40. C
- 41. B
- 42. D
- 43. D
- 44. C

- 45. A
- 46. B
- 47. A
- 48. D
- 49. B
- 50. A
- 51. C
- 52. A
- 53. C
- 54. B
- 55. B
- 56. D
- 57. C
- 58. C
- 59. C
- 60. A
- 61. B
- 62. C
- 63. B
- 64. D
- 65. A
- 66. A
- 67. A
- 68. C
- 69. A
- 70. B
- 71. A
- 72. A
- 73. D
- 74. C
- 75. C
- 76. D
- 77. D
- 78. B
- 79. A
- 80. A
- 81. C
- 82. C
- 83. C
- 84. C
- 85. D
- 86. D
- 87. C
- 88. D
- 89. B
- 90. D

- 91. B
- 92. A
- 93. A
- 94. A
- 95. D
- 96. C
- 97. D
- 98. C
- 99. C
- 100. A
- 101. B
- 101. B
- 102. A
- 104. D
- 105. D
- 106. D
- 107. A
- 108. C
- 109. A
- 110. C
- 111. D
- 112. D
- 113. B
- 114. B
- 115. A
- 116. A
- 117. B
- 118. D
- 119. B
- 120. D
- 121. A
- 122. C
- 123. D
- 124. A
- 125. D
- 126. C
- 127. B
- 128. C
- 129. C
- 130. C
- 131. B 132. C
- 133. B
- 134. A
- 135. A
- 136. B

- 137. D
- 138. A
- 139. B
- 140. C
- 141. C
- 142. B
- 143. D
- 144. B
- 145. A
- 146. A
- 147. B
- 148. B
- 149. B
- 150. C
- 151. D
- 152. C
- 153. D 154. D
- 155. B
- 156. A
- 157. A 158. A
- 159. A
- 160. D 161. A
- 162. A
- 163. B
- 164. C
- 165. D
- 166. B 167. B
- 168. B
- 169. D
- 170. B
- 171. A
- 172. D
- 173. B
- 174. C
- 175. A
- 176. A
- 177. B 178. B
- 179. D
- 180. D
- 181. D
- 182. C

- 183. A
- 184. C
- 185. A
- 186. C
- 187. D
- 188. B
- 189. A
- 190. D
- 191. D
- 192. C
- 193. C
- 194. C 195. B

1.	The	main function of the	is to receive information from other neurons.
	A)	dendrites	
	B)	cell body	
	C)	axon	
	D)	axon terminals	
2.		ch is an agonist?	
		curare	
		GABA	
	C)	botulinum poison	
	D)	amphetamine	
3	An S	SSRI works by blocking the	reuntake of
٥.	A)	dopamine	reaptane or
		serotonin	
		norepinephrine	
		GABA	
	D)	Gribri	
4.	Whi	ch type of neuron carries in	formation from the CNS to the PNS?
	A)	sensory neuron	
	B)	motor neuron	
	C)	interneuron	
		glial	
_	XX 71 ·	1	4.4
٥.			mpathetic nervous system?
	-	pupil dilation	
		stimulation of digestion	
	,	accelerated heartbeat	
	D)	raised blood sugar levels	
6.	The	actions of the pituitary glan	d are controlled by the
	A)	hippocampus	, <u> </u>
	B)	amygdala	
	C)	hypothalamus	
	D)	medulla	
	υ,	111000110	

7.	The limbic system consists of the A) thalamus, hypothalamus, and amygdala B) hypothalamus, medulla, and reticular formation C) amygdala, hypothalamus, and hippocampus D) basal ganglia, amygdala, and cerebellum
8.	In the majority of people, Broca's area is located in the hemisphere, and Wernicke's area is located in the hemisphere. A) right; right B) right; left C) left; right D) left; left
9.	Information in a person's left visual field goes to the half of each eye and then to the hemisphere. A) left; left B) left; right C) right; right D) right; left
10	Which stage of sleep is referred to as paradoxical sleep? A) Stage 2 B) Stage 3 C) Stage 4 D) REM sleep
11.	The theory of emotion proposes that the physiological arousal and behavioral responses and the emotional feeling all occur simultaneously but independently. A) Schachter-Singer two-factor B) Cannon-Bard C) James-Lange D) "common sense"
12.	At dinner, when John picks up his fork, his nervous system controls the movement of his finger. His nervous system regulates his stomach and controls the digestion of food. A) autonomic; autonomic B) autonomic; somatic C) somatic; autonomic D) somatic; somatic

13.	Damage to the right hemisphere will MOST likely disrupt a person's ability to			
	A)	balance a checkbook		
	B)	recognize faces		
	C)	do logic problems		
	D)	give speeches		
14.	Botu	ulinum poisoning (food poisoning) causes paralysis by blocking the release of , and curare paralyzes by occupying the receptor sites for .		
	${\Delta}$	acetylcholine; acetylcholine		
	B)	acetylcholine; GABA		
	,	GABA; acetylcholine		
	D)	GABA; GABA		
	(ט	UADA, UADA		
15.		amount of space devoted to each part of the body in the motor cortex is		
	A)	proportional to the actual size of that part of the body		
	B)	proportional to the complexity and precision of movement of which that part of the body is capable		
	\mathbf{C}	the same for all body parts		
	D)			

Answer Key

- 1. A
- 2. D
- 3. B
- 4. B
- 5. B
- 6. C
- 7. C
- 8. D
- 9. C
- 10. D
- 11. B
- 12. C
- 13. B
- 14. A
- 15. B

1.	A neuron receives information through the and passes information along through the A) cell body; axon B) dendrite; glial cells C) axon; cell body D) dendrite; axon
2.	What happens to neurotransmitters after they deliver their message to the receiving neuron? A) They are destroyed by enzymes. B) They are taken back into the axon terminals of the sending neuron for reuse. C) Either answer is correct. D) Neither answer is correct.
3.	Which neurotransmitter is the nervous system's natural painkiller? A) endorphins B) norepinephrine C) dopamine D) acetylcholine
4.	The central nervous system is comprised of A) the somatic nervous system and autonomic nervous system B) the brain and spinal cord C) the sympathetic nervous system and parasympathetic nervous system D) every nerve in the body
	All of the following are endocrine glands EXCEPT A) the pituitary gland B) tear glands C) the pancreas D) the thyroid gland
6.	The, a brain stem structure, is involved in regulating body functions needed for survival, such as breathing and heartbeat. A) amygdala B) medulla C) thalamus D) cerebellum

	A) B) C) D)	The limbic system plays an important role in survival, memory, and emotion. The limbic system is comprised of the hippocampus, hypothalamus, and amygdala. The limbic system is where higher-level cognitive processes occur. The limbic system surrounds the top of the brain stem.
8.	A) B) C)	ch is the largest part of the brain? brain stem cerebral cortex cerebellum limbic system
9.	A) B) C)	in the allows us to move different parts of our body. motor cortex; frontal lobe somatosensory cortex; parietal lobe motor cortex; temporal lobe somatosensory cortex; occipital lobe
10.	A) B) C)	ple with damage to Broca's area have problems understanding speech singing reading silently speaking fluently
11.	A) B) C)	t-brain patients have a dominant left hemisphere can orally identify information presented in their left visual field have a severed corpus callosum only use the right hemisphere
12.	A) B) C)	right hemisphere processes information from the left eye left half of each eye right visual field left visual field

7. Which statement about the limbic system is FALSE?

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Answer Key

- 1. D
- 2. C
- 3. A
- 4. B
- 5. B
- 6. B
- 7. C
- 8. B
- 9. A
- 10. D
- 11. C
- 12. D