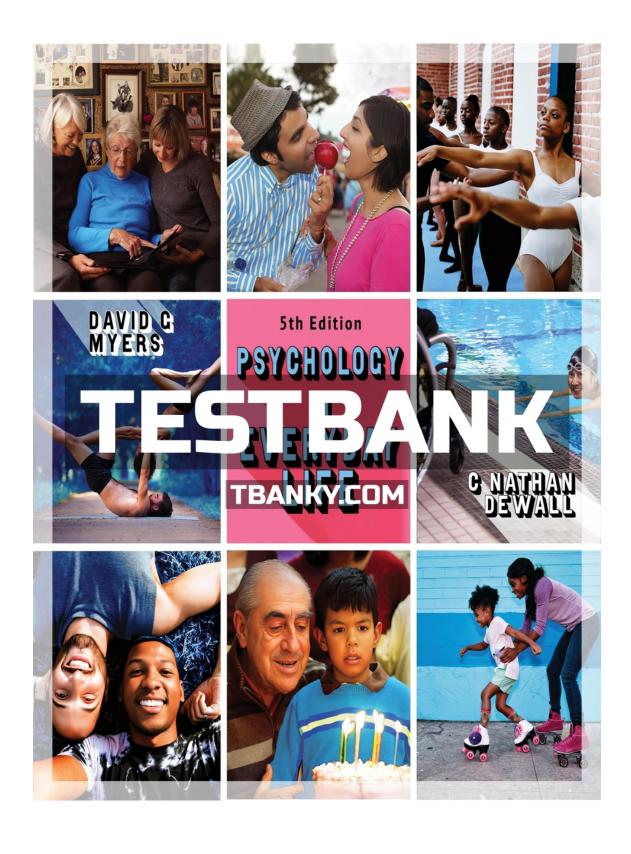
TEST BANK FOR PSYCHOLOGY IN EVERYDAY LIFE 5TH EDITION MYERS ISBN 9781319133726



Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
 Plasticity refers to the brain's capac a. refractory periods. b. lateralization. 	ity to change by forming new neural p	athways based on
c. experience.		
d. reuptake.		
ANSWER: c		
	ault of a serious car accident when she use is strongest in early child	•
c. folding of the four lobes		
d. localization of simple brain fun	actions	
ANSWER: b	ctions	
3. Blind echolocation experts who can the value of	n use the brain's visual centers to navig	ate their surroundings best illustrate
a. plasticity.		
b. reuptake.		
c. endorphins.		
d. refractory periods.		
ANSWER: a		
leg movements. This best illustrates the	ctice have led to changes in Allysa's mone value of	otor cortex that enable her skilled
a. reuptake.		
b. echolocation.		
c. plasticity.		
d. lateralization.		
ANSWER: c		
5. Neurons are best described as		
a. brief electrical charges that trav	el down the axon.	
b. chemical molecules that cross t	he synaptic gap.	
c. nerve cells that function as the	building blocks of the nervous system.	
d. bundled axon cables that conne	ect the CNS with muscles, glands, and	sense organs.
ANSWER: c		
6. The part of the neuron that contains	s the nucleus is called the	
a. cell body.		
b. dendrite.		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
c. axon.		
d. myelin sheath.		
ANSWER: a		
7. Dendrites are branching extensions of		
a. neurotransmitters.		
b. endorphins.		
c. neurons.		
d. glial cells.		
ANSWER: c		
8. The function of dendrites is to		
a. receive incoming signals from other neuro		
b. release neurotransmitters into the spatial ju		
c. coordinate the activation of the parasympa	• •	•
d. control pain through the release of opiate-	like chemicals into the bra	ain.
ANSWER: a		
9. An axon is		
a. a cell that serves as the basic building bloc	ck of the nervous system.	
b. a layer of fatty tissue that encases the fiber	rs of many neurons.	
c. a molecule that blocks neurotransmitter re	•	
d. the extension of a neuron that carries mess	sages away from the cell b	oody.
ANSWER: d		
10. Dendrite is to as axon is to	·	
a. sensory neuron; motor neuron		
b. sympathetic nervous system: parasympath	etic nervous system	
c. signal reception; signal transmission		
d. central nervous system; peripheral nervous	s system	
ANSWER: c		
11. In transmitting sensory information to the bra	ain, an electrical signal tra	vels from the of a single
a. dendrites to the axon to the cell body		
b. axon to the cell body to the dendrites		
c. dendrites to the cell body to the axon		
d. axon to the dendrites to the cell body		
ANSWER: c		
12. Action potentials, or nerve impulses, are		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
a. chemical messengers.		
b. hormones.		
c. dendrites.		
d. electrical signals.		
ANSWER: d		
13. An electrical signal that travels down	the axon of a neuron is called the	
a. synapse.		
b. myelin sheath.		
c. action potential.		
d. refractory period.		
ANSWER: c		
14. Queen bees are to as work	er bees are to	
a. neurons; glial cells		
b. cell bodies; dendrites		
c. axons; glial cells		
d. dendrites; axons		
ANSWER: a		
15. Neurons are surrounded by	_, which guide neural connections a	and clean up after neurons send
messages to one another.		
a. endorphins		
b. glial cells		
c. hormones		
d. SSRIs		
ANSWER: b		
16. One function of glial cells is to		
a. increase the speed of neural impul	ses.	
b. mimic the effects of neurotransmi	tters.	
c. provide nutrients to neurons.		
d. stimulate the production of hormo	ones.	
ANSWER: c		
17. Glial cells provide, the lay	er of fatty tissue that insulates some	e neurons.
a. synapses		
b. myelin		
c. dendrites		
d. axons		
$\Delta NSWFR \cdot h$		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
18 play(s) an important role	in information processing.	
a. Myelin		
b. Glial cells		
c. Dendrites		
d. Axons		
ANSWER: b		
19. A myelin sheath is a		
a. nerve network within the spinal of	cord that controls physical arousal.	
b. large band of neural fibers conne	ecting the two adrenal glands.	
c. layer of fatty tissue encasing the	axons of some nerve cells.	
d. bushy extension of a neuron that	conducts impulses toward the cell bo	ody.
ANSWER: c		
20. The speed at which a neural impulse a. endorphin.	e travels is increased when the axon is	s encased by a(n)
b. myelin sheath.		
c. glial cell.		
d. synaptic vesicle.		
ANSWER: b		
21. Mathematical computations by a cothe top speed of a neural impulse is abocircuitry in a computer. a. 300	• •	*
b. 3000		
c. 300,000		
d. 3,000,000		
ANSWER: d		
22. A synapse is a(n)		
a. chemical messenger that triggers	muscle contractions.	
b. automatic response to sensory in	put.	
c. junction between a sending neuro	on and a receiving neuron.	
d. electrical cable containing many	axons.	
ANSWER: c		
23. The axon of a sending neuron is sep a. myelin sheath.	parated from the dendrite of a receiving	ng neuron by a
b. neural network.		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
c. glial cell.		
d. synaptic gap.		
ANSWER: d		
24. The signals that a neuron receives are		
a. always excitatory.		
b. always inhibitory.		
c. mostly excitatory and sometimes inh	nibitory.	
d. never excitatory nor inhibitory.		
ANSWER: c		
25. Most signals that neurons receive from however, are, slowing it down.	other neurons are, spe	eeding up the neuron; some,
a. refractory; reuptake		
b. reuptake; refractory		
c. inhibitory; excitatory		
d. excitatory; inhibitory		
ANSWER: d		
26. To trigger an action potential, the excita intensity, or	atory signals must the	e inhibitory signals by a minimum
a. exceed; threshold		
b. exceed; synapse		
c. be less than; threshold		
d. be less than; synapse		
ANSWER: a		
27. The minimum level of stimulation requ	ired to trigger a neural impulse	is called the
a. reflex.		
b. threshold.		
c. synapse.		
d. action potential.		
ANSWER: b		
28. Excitatory signals to a neuron must exc	eed inhibitory signals by a mini	mum intensity in order to trigger
a. reuptake.		
b. a refractory period.		
c. an action potential.		
d. neurogenesis.		
ANSWER: c		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
29. Jane is explaining how neurons communities friend?	unicate to her friend. How should	I she best define threshold for her
a. It is the tiny gap between neurons.		
b. It is a nerve impulse.		
c. It is the level of stimulation required	d to trigger a neural impulse.	
d. It is a brief resting pause that occurs	s after a neuron has fired.	
ANSWER: c		
30. When a neuron fires		
a. an impulse travels down its axon, ca	arrying information to another cel	11.
b. the synaptic gap closes.		
c. inhibitory signals are automatically	sent to neighboring cells.	
d. nothing happens.		
ANSWER: a		
31. The refractory period that occurs after a. chemical messengers cross synaptic	gaps between neurons.	val in which
b. a neurotransmitter is reabsorbed by	a sending neuron.	
c. an action potential cannot occur.		
d. an organism reflexively withdraws	from a pain stimulus.	
ANSWER: c		
32. Increasing excitatory signals above the potential. This indicates that a neuron's rea		ll not affect the intensity of an action
a. is inhibited by the myelin sheath.		
b. is delayed by a refractory period.		
c. is an all-or-none response.		
d. depends on neurotransmitter molecu	ıles.	
ANSWER: c		
33. A neuron's reaction of either firing at f a. an all-or-none response.	ull strength or not firing at all is o	described as
b. a refractory period.		
c. neural plasticity.		
d. a reflexive response.		
ANSWER: a		
34. Guns either fire or they don't, just like	the of a neuron.	
a. all-or-none response		
b. excitatory signals		
c. reuptake process		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
d. inhibitory signals		
ANSWER: a		
35. Abigail believes that neurons fire a communicate, how would you explain a. the refractory response b. reuptake response c. inhibitory responses d. an all-or-none response		ave learned about how neurons
ANSWER: d		
36. A slap on the back is more painful a. the release of endorphins.b. more intense neural impulses.c. the release of GABA.d. more neurons to fire, and to fire ANSWER: d		triggers
37. When an action potential reaches the authorized a. myelin sheath.b. reflexive response.c. chemical message.d. glial cell. ANSWER: c	ne end of an axon, an electrical impul	se is then converted into a
38. Neuron-produced chemicals that caa. synapses.b. interneurons.c. dendrites.d. neurotransmitters. ANSWER: d	arry messages to other neurons or to n	nuscles and glands are called
39. The chemical messengers released a. hormones.b. neurotransmitters.c. interneurons.d. glial cells.	into the spatial junctions between neu	urons are called
ANSWER: b		
40. Neurotransmitters are released from	n terminal branches of the	

a. dendrites.

Name:	Class:	Date:
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b. cell body.		
c. axon.		
d. myelin sheath.		
ANSWER: c		
41. Reuptake refers to the		
a. movement of neurotransmitter mol	ecules across a synaptic gap.	
b. release of hormones into the blood	stream.	
c. resting pause that occurs after a ne	uron has fired.	
d. reabsorption of excess neurotransn	nitter molecules by a sending neuro	n.
ANSWER: d		
42. The number of neurotransmitter mole reduced by	cules located within a specific syna	ptic gap would most clearly be
a. an action potential.		
b. ACh-producing neurons.		
c. lateralization.		
d. reuptake.		
ANSWER: d		
43. Some popularly prescribed antidepres	sants are called	
a. selective serotonin reuptake inhibi	tors.	
b. neurotransmitters.		
c. all-or-none responders.		
d. endorphins.		
ANSWER: a		
44. SSRIs relieve depression by partially	blocking the reuptake of	
a. acetylcholine.		
b. serotonin.		
c. dopamine.		
d. glutamate.		
ANSWER: b		
45. The neurotransmitter dopamine is res	ponsible for all of the following EX	ССЕРТ
a. learning.		
b. hunger.		
c. attention.		
d. pleasure.		
ANSWER: b		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
46. Serotonin is NOT associated with a. attention.		
b. hunger.c. sleepiness.		
d. arousal.		
ANSWER: a		
47. Which neurotransmitter plays the n	nost direct role in learning and memo	orv?
a. dopamine	most uncer role in rearming and memo	
b. acetylcholine		
c. GABA		
d. oxytocin		
ANSWER: b		
48. Mr. Hernandez's symptoms of conf suffers from Alzheimer's disease. His s that produce the neurotransmitter		- •
a. dopamine.		
b. acetylcholine.		
c. epinephrine.		
d. endorphins.		
ANSWER: b		
49. Which neurotransmitter influences a. ACh	movement, learning, attention, and e	emotion?
b. dopamine		
c. serotonin		
d. GABA		
ANSWER: b		
50. Schizophrenia is most closely linke a. dopamine.	ed to an oversupply of the neurotrans	mitter
b. epinephrine.		
c. acetylcholine.		
d. serotonin.		
ANSWER: a		
51. Mr. Stetson suffers from Parkinson	's disease and his shaking arm move	ments are so severe that he has

- difficulty feeding or dressing himself without help. His symptoms are most likely to be linked with an undersupply of the neurotransmitter
 - a. cortisol.
 - b. dopamine.

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
c. serotonin.		
d. oxytocin.		
ANSWER: b		
52. An undersupply of serotonin is most	closely linked to	
a. Alzheimer's disease.		
b. schizophrenia.		
c. Parkinson's disease.		
d. depression.		
ANSWER: d		
53. Sherry has been somewhat depressed alertness and arousal is the root of her de a. dopamine b. serotonin c. GABA d. norepinephrine		
• •		
ANSWER: d		
54. An undersupply of the major inhibito a. glutamate b. GABA c. serotonin	ry neurotransmitter known as	is linked to insomnia.
d. ACh		
ANSWER: b		
55. Christopher's seizures have led him to linked to an a. oversupply of GABA. b. undersupply of serotonin. c. oversupply of glutamate. d. undersupply of acetylcholine. ANSWER: c	seek medical help. It is likely tha	t his symptoms are most closely
56. Opiate drugs neural activit	y and temporarily pain a	and anxiety.
a. depress; increase	1 /1	•
b. accelerate; decrease		
c. depress; decrease		
d. accelerate; increase		
ANSWER: c		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
57. Which of the following is an opiate ta. GABAb. acetylcholinec. morphined. glutamate	that elevates mood and eases pain?	
ANSWER: c		
58. Opiate-like neurotransmitters linked a. glia.b. SSRIs.c. endorphins.d. glutamates. ANSWER: c	to pain control and to feelings of please	ure are known as
59. Endorphins area. neurotransmitters.b. sex hormones.c. endocrine glands.d. glial cells.		
ANSWER: a		
60. Opiate drugs occupy the same recept a. serotonin.b. endorphins.c. dopamine.d. epinephrine. ANSWER: b	tor sites as	
61. Ricardo was the goalie in a long, bru is most likely caused by the release of a. glutamate.b. dopamine.c. acetylcholine.d. endorphins.	tising soccer game but feels little fatigu	e or discomfort. His lack of pain
ANSWER: d		
62. Deidra has been doing aerobic exercisexplain why she feels good after exercising a. axons b. neurons c. endorphins		release of can help

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
d. glial cells		
ANSWER: c		
63. The body's natural production of en a. increased by heroin use and increased by heroin use and decreased by he	eased by vigorous exercise.	
c. increased by heroin use and decr	reased by vigorous exercise.	
d. decreased by heroin use and incr ANSWER: d	reased by vigorous exercise.	
64. Kevin's intensely uncomfortable wi reduction in his body's normal producti a. dopamine.b. epinephrine.c. acetylcholine.	• •	use were probably due in part to a
d. endorphins.		
ANSWER: d		
65. Mathilda believes in the healing efficiency have been able to confirm its effectiven a. GABA b. endorphins c. glutamate d. ACh		
ANSWER: b		
b. the collection of bundled axons t muscles.c. an organism's complete set of au	ecrete hormones into the bloodstream that form electrical cables carrying into tomatic reflex responses.	formation to the body's
67. The two major divisions of the nerv	yous system are the central nervous sy	ystem and the nervous
system.	ous system are the contra nervous sy	norvous
a. autonomic		
b. sympathetic		
c. somatic		
d. peripheral		
ANSWER: d		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
68. The central nervous system consists of a. sensory and motor neurons.	•	
b. somatic and autonomic systems.		
c. the brain and the spinal cord.		
d. sympathetic and parasympathetic bi	ranches	
ANSWER: c	anenes.	
69. Which nervous system is responsible f other parts of the body?	or gathering information and tran	smitting decisions from the CNS to
a. sympathetic nervous system		
b. peripheral nervous system		
c. somatic nervous system		
d. autonomic nervous system		
ANSWER: b		
70. Devin is playing soccer. Instructions alby	bout where and how to move are	carried from his CNS to his muscles
a. the myelin sheath.		
b. interneurons.		
c. motor neurons.		
d. sensory neurons.		
ANSWER: c		
71. Information travels through axons that	are bundled into the cables we ca	all
a. interneurons.		
b. action potentials.		
c. nerves.		
d. reflex pathways.		
ANSWER: c		
72. You feel the pain of a sprained ankle venerous system.	when relay(s) messages	from your ankle to your central
a. the myelin sheath		
b. interneurons		
c. motor neurons		
d. sensory neurons		
ANSWER: d		
73. Sensory neurons are located in the		
a. synaptic gaps.		
b. endocrine system.		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
c. peripheral nervous system.		
d. myelin sheath.		
ANSWER: c		
74. Information is carried from the cent	tral nervous system to the body's tiss	ues by
a. interneurons.		
b. sensory neurons.		
c. motor neurons.		
d. adrenal glands.		
ANSWER: c		
75. Some neurons enable you to kick a and feet. These neurons are called a. interneurons.	soccer ball by relaying outgoing mes	ssages to the muscles in your legs
b. sensory neurons.		
c. neurotransmitters.		
d. motor neurons.		
ANSWER: d		
76. Motor neurons transmit signals to a. glands.b. interneurons.c. sensory neurons.		
d. all of these parts. ANSWER: a		
77. Neurons that function within the bra. sensory neurons.b. interneurons.c. endorphins.d. motor neurons. ANSWER: b	ain and spinal cord are called	
78. Central nervous system neurons that called	nt process information between senso	ory inputs and motor outputs are
a. neurotransmitters.		
b. interneurons.		
c. synapses.		
d. dendrites.		
ANSWER: b		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
79. The two parts of the peripheral nervou a. brain and spinal cord.	as system are the	
b. sympathetic nervous system and pa	arasympathetic nervous system.	
c. endocrine system and circulatory s	ystem.	
d. somatic nervous system and the au	tonomic nervous system.	
ANSWER: d		
80. The somatic nervous system is a compa. peripheral	ponent of the nervous	system.
b. central		
c. sympathetic		
d. parasympathetic		
ANSWER: a		
81. Messages are transmitted from your spansing a. somatic	pinal cord to muscles in your bac	ck by the nervous system.
b. parasympathetic		
c. sympathetic		
d. autonomic		
ANSWER: a		
82. The part of the peripheral nervous sys called the	tem that controls the movements	s of your mouth and jaws as you eat is
a. somatic nervous system.		
b. sympathetic nervous system.		
c. endocrine system.		
d. autonomic nervous system.		
ANSWER: a		
83. As you are sitting in the library reading your shoulder, and says "Hi." Which part then gives you instructions to turn your here.	of your nervous system transfers	· •
a. autonomic		
b. sympathetic		
c. parasympathetic		
d. somatic		
ANSWER: d		
84. The part of the peripheral nervous sys called the	tem that controls the glands and	the muscles of the internal organs is
a somatic nervous system		

b. endocrine system.

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
c. sensory nervous system.		
d. autonomic nervous system.		
ANSWER: d		
85. Messages are transmitted from your sp	inal cord to your stomach by the	
a. sensory nervous system.		
b. somatic nervous system.		
c. central nervous system.		
d. autonomic nervous system.		
ANSWER: d		
86. Which nervous system is self-regulatin	g and named as such?	
a. autonomic		
b. sympathetic		
c. parasympathetic		
d. somatic		
ANSWER: a		
87. Which division of the autonomic nervo	ous system arouses the body and	mobilizes its energy in stressful
situations?		
a. the parasympathetic nervous system	ı	
b. the sympathetic nervous system		
c. the somatic nervous system		
d. the central nervous system		
ANSWER: b		
88. When a black bear suddenly appears in energizes him. When the bear is gone and conserves his energy.		
a. autonomic; somatic		
b. sympathetic; parasympathetic		
c. somatic; autonomic		
d. parasympathetic; sympathetic		
ANSWER: b		
89. You are asleep one night when you heabegin to perspire. These physical reactions	_	irs. Your heart starts racing and you
a. somatic nervous system.		
b. sympathetic nervous system.		
c. parasympathetic nervous system.		
d. sensory nervous system.		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
ANSWER: b		
90. The parasympathetic nervous system a. stimulates digestion and slows heartbe b. inhibits digestion and accelerates heart c. stimulates digestion and accelerates he d. inhibits digestion and slows heartbeat. ANSWER: a	tbeat. eartbeat.	
91. After discovering that the shadows outsid pressure decreased and his heartbeat slowed. a. parasympathetic nervous system. b. sympathetic nervous system. c. somatic nervous system. d. sensory nervous system. ANSWER: a	•	•
92. An accelerated heartbeat is to a slowed he nervous system. a. somatic; autonomic b. autonomic; somatic c. sympathetic; parasympathetic d. parasympathetic; sympathetic ANSWER: c	eartoeat as the nervo	us system is to the
93. Neural networks refer to a. the branching extensions of a neuron. b. interrelated clusters of neurons in the c c. electrical cables containing many axon d. junctions between sending and receiving	ns.	
 94. The strengthening of the brain's synaptic a. interneurons. b. endorphins. c. neural networks. d. glial cells. ANSWER: c	connections facilitates the forn	nation of

95. Marvin, a football quarterback, can simultaneously make calculations of receiver distances, player movements, and the force of his own arm movements needed to effectively throw a pass. This best illustrates

the activity of multiple

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Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
a. endocrine glands.		
b. endorphins.		
c. neural networks.		
d. reticular formations.		
ANSWER: c		
96. The part of the central nervous system control information to your body parts is the		ur senses to your brain and motor-
a. pituitary gland.		
b. pancreas.		
c. spinal cord.		
d. myelin sheath.		
ANSWER: c		
97. The part of the that carries in information to your body parts is the spinal a. central nervous system	•	your brain and motor-control
b. peripheral nervous system		
c. parasympathetic nervous system		
d. somatic nervous system		
ANSWER: a		
98. A simple, automatic, inborn response t a. neural network.	o a sensory stimulus is called a(n	n)
b. action potential.		
c. neurotransmitter.		
d. reflex.		
ANSWER: d		
99. As Becky tries to remove the cookies s stove with her hand, burning it. Becky inst burned her hand. This illustrates the a. importance of the parasympathetic in	tinctively moves her hand from the	
b. relevance of interneurons.	•	
c. all-or-none response.		
d. importance of reflexive responses.		
ANSWER: d		
100. The knee-jerk reflex is controlled by a synaptic gap.	interneurons in the	
b. spinal cord.		

Name:	Class:	Date:
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c. sympathetic nervous system.		
d. parasympathetic nervous system.		
ANSWER: b		
101. In a tragic biking accident, Dan dar was located in his	maged his spinal cord. As a result, h	nis legs are paralyzed. Dan's injury
a. somatic nervous system.		
b. autonomic nervous system.		
c. sympathetic nervous system.		
d. central nervous system.		
ANSWER: d		
102. Erik consistently exhibits a knee-je. Erik's experience is most indicative of a. neural plasticity.b. a severed spinal cord.c. a sympathetic nervous system injude a refractory period.		sations of the taps on his knees.
d. a refractory period.		
ANSWER: b		
103. The endocrine system consists of the a. communication network that includes		
b. regions of the brain that regulate of	emotion.	
c. interneurons within the spinal cor	d.	
d. glands that secrete hormones.		
ANSWER: d		
104. Hormones are the chemical messen a. autonomic nervous system.	gers of the	
b. somatic nervous system.		
c. endocrine system.		
d. central nervous system.		
ANSWER: c		
105. The speedy nervous system zips modelivered more slowly because hormone		s. Endocrine messages, however, are
a. myelinated neurons.		
b. the bloodstream.		
c. glial cells.		
d. interneurons.		

ANSWER: b

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
elsewhere in the body. a. central nervous system b. endocrine system	nervous system in that both produce mol	lecules that act on receptors
c. peripheral nervous system		
d. autonomic nervous system		
ANSWER: b		
a. hormones b. neurotransmitters c. the nervous system d. reflexes	onger than neural messages.	
ANSWER: a		
still feels angry hours later. Why is a. Central nervous system mess b. Peripheral nervous system m c. Endocrine system messages l	ages last an extended period. essages last an extended period.	made up after the fight, Michelle
ANSWER: c		
109. The ovaries in females and the a. somatic nervous system.b. endocrine system.c. autonomic nervous system.d. central nervous system.	testes in males are part of the	
ANSWER: b		
a. depression.b. the fight-or-flight response.c. the pain reflex.d. a refractory period.	e adrenal glands is most likely to trigger	
ANSWER: b		
111. If your boss accused you of lyi into your bloodstream.a. endorphinsb. acetylcholine	ng about a contract, your adrenal glands	would probably release

name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
c. epinephrine		
d. oxytocin		
ANSWER: c		
112. The release of epinephrine into the bl	oodstream is most likely to	
a. increase blood sugar.		
b. lower blood pressure.		
c. stimulate digestion.		
d. decrease perspiration.		
ANSWER: a		
113. The hypothalamus influences the	to send messages to the	
a. adrenal glands; pancreas		
b. pituitary; endocrine glands		
c. motor neurons; sensory neurons		
d. somatic nervous system; autonomic	nervous system	
ANSWER: b		
114. At the age of 25, Mrs. Scott was 4 fee of a growth hormone produced by the	et 2 inches tall. Mrs. Scott was pro	obably so short because of the lack
a. pancreas.		
b. thyroid.		
c. adrenal gland.		
d. pituitary gland.		
ANSWER: d		
115. Laura and several classmates are stud bloodstream begin to rise. This is most like		
a. irritation.		
b. envy.		
c. trust.		
d. anxiety.		
ANSWER: c		
116. Oxytocin is secreted by the		
a. pancreas.		
b. thyroid gland.		
c. pituitary gland.		
d. adrenal gland.		
ANSWER: c		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
117. Darleen is in labor with her first chil part of labor?a. AChb. glutamatec. oxytocin	d. Which hormone is responsible	for the contractions that she feels as
d. GABA		
ANSWER: c		
118. The fact that oxytocin aids both milk a. is important for survival.b. facilitates pleasurable sensations.c. aids pair bonding.d. promotes social bonding.ANSWER: d	t flow in nursing and orgasm sugg	ests that oxytocin
119. The master gland of the endocrine sy a. thyroid gland.b. adrenal gland.c. pituitary gland.d. pancreas. ANSWER: c	ystem is the	
120. The pituitary gland is referred to as to a. directs other endocrine glands to reb. directs the hypothalamus to release c. is directed by the hypothalamus. d. directs other adrenal glands to release	elease their hormones.	
ANSWER: a		
121. A device that records waves of electrons.a. fMRI.b. EEG.c. PET scan.d. MRI.	rical activity sweeping across the	surface of the brain is called a(n)
ANSWER: b		
122. Erika is participating in a study in we record waves of electrical activity on the a. MRI b. EEG	-	-

c. MEG

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
d. PET scan		
ANSWER: b		
123. Professor Costellese is interested influences brain activity. Which technology a. fMRI b. PET c. EEG d. MEG ANSWER: d		
124. Which technique measures fields a. MRI b. PET scan c. EEG d. MEG ANSWER: d	s from the brain's natural electrical ac	tivity?
125. By measuring magnetic fields from the certain tasks are related to brain a. EEG.b. MEG.c. PET scan.d. MRI. ANSWER: b		
126. Garry just left his physician's off from his brain's neural electrical activa. MRI b. EEG c. MEG d. PET scan ANSWER: c		that measured the magnetic fields
127. To identify which of Iona's brain temporarily radioactive form of gluco a. fMRI. b. PET scan. c. EEG. d. MRI scan. ANSWER: b		ed, neuroscientists gave her a

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
128. Magnetic resonance imaging uses mag soft tissue. a. radio waves	gnetic fields and	to produce computer-generated images of
b. microelectrodes inserted into the bra	in	
c. a radioactive form of glucose		
d. electrodes placed on the scalp		
ANSWER: a		
129. Fluid-filled brain areas are called		
a. ventricles.		
b. pons.		
c. the cerebellum.		
d. lesions.		
ANSWER: a		
130. The best way to detect enlarged fluid- a(n)	filled brain regions in so	ome patients who have schizophrenia is to use
a. EEG.		
b. MRI.		
c. PET scan.		
d. SSRI.		
ANSWER: b		
131. To detect Mr. Wagner's loss of brain t request that he receive a(n)	issue from a type of der	mentia, his physicians are most likely to
a. EEG.		
b. MRI scan.		
c. SSRI.		
d. PET scan.		
ANSWER: b		
132. To identify which specific brain areas researchers would be most likely to make u a. fMRI.		person is doing the multiplication tables,
b. microelectrode insertion.		
c. MRI.		
d. SSRI.		
ANSWER: a		
ANDWER. a		
133. Wayne's doctor performed a test to rev was used?	veal both the function ar	nd structure of his brain. Which brain scan

a. MRI

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
b. EEG		
c. fMRI		
d. PET		
ANSWER: c		
right frontal lobe used the to a. EEG b. MEG c. PET d. MRI	otoms of depression and anxiety correlated examine the brain.	ted with increased activity in the
ANSWER: a		
what makes each human different froma. Brain Exposure Project.b. Positron Emission Tomographyc. Human Connectome Project.d. Organ of Agility Study.		ı of what makes us human and
ANSWER: c		
 136. Human brain complexity arises from most distant past involve components a. amygdala. b. hippocampus. c. brainstem. d. hypothalamus. ANSWER: c	rom new systems built on top of older of of the	nes. The remnants of humanity's
137. Basic automatic survival functiona. pons.b. brainstem.c. thalamus.d. reticular formation.	ns, such as heartbeat and breathing, are c	controlled by the
ANSWER: b		
ANSWER. U		
138. The part of the brainstem that cora. cerebellum.b. medulla.c. amygdala.d. thalamus.	ntrols heartbeat and breathing is called the	he

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
ANSWER: b		
139. The part of the brainstem that hea. hypothalamus.b. hippocampus.c. amygdala.d. pons.	lps to control sleep is called the	
ANSWER: d		
140. Harry often struggles with sleep determined that the is response. c. cerebellum d. thalamus ANSWER: b	and coordinating his gross motor move onsible for both of these functions.	ements. Researchers have
141. If your is destroyed, thand. a. brainstem	he right side of your brain could not co	ntrol the movements of your left
b. hippocampus c. amygdala d. hypothalamus		
ANSWER: a		
142. The joined pair of egg-shaped bris thea. hippocampus.b. amygdala.c. pons.d. thalamus.	rain structures that receives information	n from all your senses except smell
ANSWER: d		
143. The brain structure that acts as a a. medulla.b. cerebellum.c. thalamus.d. hippocampus. ANSWER: c	sensory control center is the	
144. Darron lost his sense of taste bec This structure is known as the	cause a tumor caused damage to a struc	cture located on top of his brainstem

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Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
a. amygdala.		
b. thalamus.		
c. medulla.		
d. hippocampus.		
ANSWER: b		
145. Information from higher brain regiona. hypothalamus.b. hippocampus.c. amygdala.	ns is transmitted to the medulla and c	erebellum through the
d. thalamus.		
ANSWER: d		
146. The reticular formation is a nerve nea. brainstemb. amygdalac. hypothalamusd. cerebellum	twork that travels through the	into the thalamus.
ANSWER: a		
147. Jazmine is cooking dinner while stud this multitasking? a. reticular formation	dying for her upcoming class exam. V	Which brain area is involved in
b. medulla		
c. pons		
d. cerebellum		
ANSWER: a		
148. Which region inside your brainstem you trip over the slippers you accidentally a. reticular formation b. hypothalamus c. amygdala	= -	e of alertness when, for example,
d. hippocampus		
ANSWER: a		
149. Severing a cat's reticular formation for a. become violently aggressive.b. cower in fear.c. experience convulsive seizures.	From higher brain regions causes the c	cat to

d. lapse into a coma.

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
ANSWER: d		
150. Which baseball-sized structure beh control your emotions and aiding your va. amygdala b. cerebellum c. hippocampus d. reticular formation ANSWER: b		
151. The cerebellum regulatesa. hunger and thirst.b. heartbeat and breathing.c. physical coordination and balanced. fear and rage. ANSWER: c	e.	
152. After Todd collided with a friend o	on his bicycle, doctors detected dan	nage to his cerebellum. Todd is most
likely to have difficulty a. doing mathematical computations b. understanding what others are say c. tasting the flavors of foods. d. playing his guitar. ANSWER: d	S.	mage to his cerebenum. Todd is most
	arain halps process and store mam	orios for things you cannot
153. Which structure at the back of the loconsciously recall, such as how to ride at a. amygdala b. cerebellum c. hypothalamus d. reticular formation ANSWER: b		ories for things you cannot
154. As Cloe reads a new book, herinformation. a. medulla b. pons c. cerebellum d. thalamus ANSWER: a	is involved in aiding her vo	cabulary, reading, and ability to store

155. By managing life-sustaining functions outside our awareness, the brainstem frees newer brain regions to Copyright Macmillan Learning. Powered by Cognero. Page 28

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
enable our conscious thinking. This best ila. the all-or-none response.b. two-track processing.c. neural plasticity.	lustrates the value of	
d. the split brain. ANSWER: b		
156. A neural system at the border betwee a. pons.b. limbic system.c. reticular formation.d. medulla. ANSWER: b	n the brainstem and the cerebral h	emispheres is known as the
157. The sequence of brain regions from the all imbic system, brainstem, cerebral costs, limbic system, cerebral cortex, limbic system, cerebral cortex, brain d. brainstem, limbic system, cerebral cortex.	cortex. ystem. nstem.	
a. the amygdala, hypothalamus, and has been cerebral hemispheres and frontate. all four frontal lobes. d. the motor cortex and somatosensory ANSWER: a	l lobes.	
159. The amygdala consists of lima-beansa. brainstem.b. reticular formation.c. limbic system.d. cerebellum. ANSWER: c	sized, emotion-linked neural clusto	ers in the
160. The amygdala is responsible for the ra. survival mechanisms.b. hunger.c. balance.	egulation of	

d. emotion.

ANSWER: d

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
161. Carolyn is home alone when she hea frightened. Which brain area is involved i a. amygdala	· · ·	nt door. She is immediately
b. hypothalamus		
c. medulla		
d. hippocampus		
ANSWER: a		
162. One woman no longer experienced for attributed to damage to her a. pons.	ear even when threatened with a g	un. Her fearlessness is best
b. cerebellum.		
c. hypothalamus.		
d. amygdala.		
ANSWER: d		
ANSWER. u		
163. To demonstrate that brain stimulation electrically stimulate the rat's a. reticular formation.	n can make a rat violently aggressi	ive, a neuroscientist should
b. cerebellum.		
c. medulla.		
d. amygdala.		
ANSWER: d		
ANSWER. u		
164. Given that enabling aggression and f true?	ear is a primary function of the an	nygdala, which of the following is
a. Other brain areas are also involved	in our feeling afraid or acting agg	ressively.
b. Aggression and fear are strictly am	ygdala functions.	
c. The limbic system is the only syste	m that regulates emotions.	
d. The amygdala works closely with t	he hypothalamus and hippocampu	ıs.
ANSWER: a		
165. Which limbic system structure regula	ates hunger and thirst?	
a. medulla	-	
b. amygdala		
c. hippocampus		

166. The brain structure that provides a major link between the nervous system and the endocrine system is the a. cerebellum.

d. hypothalamus

ANSWER: d

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
b. amygdala.		
c. reticular formation.		
d. hypothalamus.		
ANSWER: d		
167. Your hypothalamus secretes hormone a. motor cortex.	es based on signals it receives from	n the
b. cerebral cortex.		
c. somatosensory cortex.d. association areas.		
ANSWER: b		
168. As Bryson thinks about having sex w	rith his girlfriend, his hypothalamu	s secretes hormones that trigger the
pituitary gland to	1	
a. influence the hippocampus to releas		
b. activate a reward deficiency syndro	me.	
c. activate his cerebellum.	hair harmanas	
d. influence his sex glands to release to <i>ANSWER:</i> d	nen normones.	
ANSWER. u		
169. James Olds and Peter Milner located	reward centers in the brain structu	re known as the
a. hypothalamus.		
b. cerebellum.		
c. medulla.		
d. amygdala.		
ANSWER: a		
170. Animal research has revealed one ger a. acetylcholine.	neral reward system that triggers th	ne release of the neurotransmitter
b. GABA.		
c. dopamine.		
d. epinephrine.		
ANSWER: c		
171. A brain tumor caused extensive dama loss of	age to Mr. Roller's hypothalamus. I	It is most likely that he may suffer a
a. visual perception.		
b. muscular coordination.		
c. sexual motivation.		
d. language comprehension.		
ANSWER: c		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
172. The neural center in the limbic systorage is called the a. hypothalamus. b. thalamus. c. hippocampus. d. medulla. ANSWER: c	tem that processes conscious, explic	cit memories of facts and events for
173. Those who survive a hippocampal a. getting adequate sleep b. remembering new information c. maintaining body balance while d. experiencing feelings of fear <i>ANSWER</i> : b	·	to have difficulty
174. After experiencing a series of head with remembering the names of friends due to damage to his		
175. Higher academic achievement has a. the thalamus b. the hippocampus c. the medulla d. the reticular formation ANSWER: b		>?
176. Eighty-five percent of human brain a. hippocampus.b. cerebrum.c. corpus callosum.d. frontal lobes. ANSWER: b	n weight comes from the	

b. corpus callosum.

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a. brainstem.

177. The cerebral cortex is the covering layer of the

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
c. hippocampus.		
d. cerebrum.		
ANSWER: d		
178. The brain's thin surface layer, whic	h serves as your body's ultimate co	ontrol and information processing
center, is the		-
a. limbic system.		
b. cerebellum.		
c. corpus callosum.		
d. cerebral cortex.		
ANSWER: d		
179. The brain's left and right hemispher	res are filled mainly with axons that	at
a. control the motor and somatosens	ory areas.	
b. connect the cortex to other areas	of the brain.	
c. control the association areas of th	e brain.	
d. monitor the various lobes of the b	rain.	
ANSWER: b		
180. Your conscious awareness of your functioning of your	own name and self-identity depend	ds primarily on the normal
a. somatosensory cortex.		
b. amygdala.		
c. motor cortex.		
d. cerebral cortex.		
ANSWER: d		
181. Which portion of the cerebral corte muscle movements and in making plans		and is involved in speaking and
a. temporal lobes		
b. frontal lobes		
c. parietal lobes		
d. occipital lobes		
ANSWER: b		
182. Which portion of the cerebral corte from the ears?	x is roughly above the ears and inc	cludes areas that receive information
a. parietal lobes		
b. temporal lobes		
c. occipital lobes		
d. frontal lobes		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
ANSWER: b		
183. Which portion of the cerebral cort receives sensory input for touch and be a. occipital lobes		ead just behind the frontal lobes and
b. hippocampus		
c. parietal lobes		
d. temporal lobes		
ANSWER: c		
a. hearing; sensing movement b. seeing; sensing touch	_ as the temporal lobes are to	
c. seeing; hearing		
d. speaking; hearing		
ANSWER: c		
185. The parietal lobes are to a. speaking; sensing movement b. seeing; sensing touch	as the temporal lobes are to	<u>_</u> .
c. sensory input; hearing		
d. speaking; hearing		
ANSWER: c		
186. By applying mild electrical stimul triggered body movements. They disco		Gustav Fritsch and Eduard Hitzig
a. motor cortex.		
b. visual cortex.		
c. auditory cortex.		
d. somatosensory cortex.		
ANSWER: a		
187. The motor cortex is located at the a. occipital	rear of thelobes.	
b. temporal		
c. frontal		
d. parietal		
ANSWER: c		
188. The motor cortex is		
a. an area at the rear of the frontal	lobes that controls voluntary moveme	ents.

Name:	Class:	Date:
ΓΒ1 Chapter 02: Multiple Choice		
b. an area at the front of the parietal sensations.	lobes that registers and processes b	body touch and movement
c. ab area of the cerebral cortex that	is not involved in primary motor of	or sensory functions.
d. the portion of the cerebral cortex	lying at the back of the head.	
ANSWER: a		
189. A laboratory cat could be made to t	witch its whiskers by direct stimula	ation of the lobes of its
a. temporal		
b. occipital		
c. frontal		
d. parietal		
ANSWER: c		

- 190. During open-brain surgery, Frank's right ankle twitched whenever the surgeon electrically stimulated a specific area within Frank's
 - a. left frontal lobe.
 - b. right frontal lobe.
 - c. left parietal lobe.
 - d. right parietal lobe.

ANSWER: a

- 191. Gloria had a stroke that damaged the right side of her brain. Yet, she has difficulty moving her left arm, not her right arm. This indicates that the
 - a. somatosensory cortex is responsible for phantom limb movements.
 - b. motor cortex on the right side of the brain controls movements of specific body parts on the right side of the body.
 - c. association areas of the brain control movements of all body parts.
 - d. motor cortex on the right side of the brain controls movements of specific body parts on the opposite side of the body.

ANSWER: d

- 192. Stimulating the right side of the brain will cause movement on the left side of the body. This indicates that the
 - a. somatosensory cortex is responsible for phantom limb movements.
 - b. motor cortex on the right side of the brain controls movements of specific body parts on the right side of the body.
 - c. association areas of the brain control movements of all body parts.
 - d. motor cortex on the right side of the brain controls movements of specific body parts on the opposite side of the body.

ANSWER: d

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
193. Who mapped the motor cortex dur a. de Courten-Myers	ring the 1930s?	
b. Foerster and Penfield		
c. Fritsch and Hitzig		
d. Delgado and Gibbs		
ANSWER: b		
194. Which of the following body parts cortex?	s is associated with the greatest amo	unt of brain tissue in the motor
a. arms		
b. face		
c. trunk		
d. knees		
ANSWER: b		
195. The somatosensory cortex is most a. sight.	critical for our sense of	
b. hearing.		
c. touch.		
d. smell.		
ANSWER: c		
ANSWER: C		
196. Which part of your brain is essent a. corpus callosum	ial for receiving information that you	u are raising your arm?
b. hippocampus		
c. somatosensory cortex		
d. temporal lobes		
ANSWER: c		
197. Of the following body parts, which somatosensory cortex?	h is associated with the greatest amo	ount of brain tissue in the
a. toes		
b. knees		
c. neck		
d. fingers		
ANSWER: d		
198. Which lobes of the brain receive t a. parietal	he input that enables you to feel you	or friend giving you a backrub?
b. temporal		
c. occipital		

Name:	Class:	Date:
ΓΒ1 Chapter 02: Multiple Choice		
d. frontal		
ANSWER: a		
100 TI . 1 . 1 . 1	C T	1, 1, , , , 1 , , , , ,
199. The surgical removal of a large tum issue. Trevor is most likely to suffer son	-	ited in extensive loss of brain
a. muscular coordination.	10 1055 01	
b. visual perception.		
c. speaking ability.		
d. pain sensations.		
ANSWER: b		
200. Auditory stimulation is processed in	the lobes	
a. occipital	THE 100CS.	
b. temporal		
c. frontal		
d. parietal		
ANSWER: b		
201. Falsely hearing a sound in the abser	uce of any external stimulus is called	1
a. neurogenesis.	see of any external similarus is canee	•
b. a split-brain condition.		
c. a hallucination.		
d. an fMRI.		
ANSWER: c		
202. The auditory hallucinations experientation of areas in their	nced by people with schizophrenia	are most closely linked with the
a. motor cortex.		
b. parietal lobes.		
c. temporal lobes.		
d. somatosensory cortex.		
ANSWER: c		
203. The association areas are located in	the	
a. brainstem.		
b. thalamus.		
c. hippocampus.		
d. cerebral cortex.		
ANSWER: d		

204. The largest regions of the brain are involved in higher mental functions such as learning, remembering,

thinking, and speaking. These regions are called the Copyright Macmillan Learning. Powered by Cognero.

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
a. somatosensory cortex.		
b. hippocampus.		
c. corpus callosum.		
d. association areas.		
ANSWER: d		
205. The fact that the ability to interpret a following damage to the discorda. motor cortex	<u> </u>	
b. amygdala		
c. hypothalamus		
d. association areas		
ANSWER: d		
 206. After he suffered a stroke, Mr. Smith however, he could no longer figure out he that Mr. Smith suffered damage to a. the amygdala. b. the somatosensory cortex. c. the motor cortex. d. an association area. 		
ANSWER: d		
207. Which of the following brain areas e memories? a. frontal lobes b. prefrontal cortex c. temporal lobes d. parietal lobes ANSWER: b	enables judgment, planning, socia	al interactions, and processing of new
208. Knowing that you will be punished for all all as sometimes and a sometimes are a sometimes and a sometimes and a sometimes are a sometimes and a sometimes and a sometimes and a sometimes are a sometimes and a sometimes and a sometimes are a sometimes are a	For hitting your little sister is a fu	nction of the
ANSWER: c		
209. Tammy is talking with a group of fri a. frontal lobes.b. occipital lobes.	ends at another friend's house pa	arty. This behavior is regulated by her

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
c. parietal lobes.		
d. temporal lobes.		
ANSWER: a		
210. Melinda is a returning college student finishing course requirements for her bach younger than she is and that they miss mar their are not yet completely dev a. frontal lobes b. occipital lobes	elor's degree. She has noticed the classes and talk about "partying."	nat many of her classmates are much
c. parietal lobes		
d. temporal lobes		
ANSWER: a		
211. The classic case of railroad worker Plana. trigger muscle spasms.b. enhance moral reasoning skills.c. alter one's personality.d. facilitate neurogenesis. ANSWER: c	nineas Gage best illustrated that	frontal lobe damage can
212. Cecil Clayton became increasingly in following damage to his left lob a. parietal b. occipital c. frontal d. temporal	-	ore on an intelligence test dropped
ANSWER: c		
213. People's moral judgments are most lil experienced damage to their lob a. temporal b. occipital c. parietal d. frontal		rmal emotions if they have
ANSWER: d		
214. Impaired mathematical and spatial reareas in thea. parietal lobes.b. temporal lobes.c. occipital lobes.	asoning is especially likely to be	e linked with damage to association

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
d. frontal lobes.		
ANSWER: a		
215. The inability to recognize familiar fa is associated with damage to the right a. frontal	<u> </u>	see and describe features of the faces
b. parietal		
c. occipital		
d. temporal		
ANSWER: d		
216. Which of the following abilities is N a. memory	OT directly related to functional of	connectivity?
b. language		
c. hearing		
d. attention		
ANSWER: c		
217. Dr. Jones conducts research to better also interested in the causes of psycholog implement in his research? a. analyses of functional connectivity	ical disorders. Which of the follow	
b. cortex mapping		
c. neurogenesis		
d. splitting the corpus callosum		
ANSWER: a		
218. The capacity of a brain area to devel a. manifest content	op new as it adjusts to	damage is known as plasticity.
b. information-processing abilities		
c. latent content		
d. neural pathways		
ANSWER: d		
219. Although Ray lost some manual dex neural pathways enabled him to regain m	•	· •
a. neurogenesis.b. lateralization.		
c. plasticity.		
d. reuptake. ANSWER: c		
AIVOVIEN. C		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
220. The benefits of brain plasticity ar a. children who have had a cerebra	•	
b. people paralyzed by a severed s	1 0 1	
c. individuals with Alzheimer's dis	•	
d. split-brain patients.		
ANSWER: a		
221. If a slow-growing right-hemisphe		hemisphere may take over this
perception functioning. This best illust	trates the value of	
a. the split brain.		
b. neurogenesis.		
c. reuptake.		
d. plasticity.		
ANSWER: d		
222. Among deaf people, a temporal le	· · · · · · · · · · · · · · · · · · ·	
the visual system used to see and inter	pret signs, for example. This best illu	strates the impact of
a. plasticity.		
b. neurogenesis.		
c. lateralization.		
d. refractory periods.		
ANSWER: a		
223. After Warren's right hand was patouch from that hand gradually began the consequences of		<u> </u>
a. neurogenesis.		
b. plasticity.		
c. lateralization.		
d. the split brain.		
ANSWER: b		
224. The process of forming new neur	ons within the brain is called	
a. lateralization.		
b. hemispherectomy.		
c. neurogenesis.		
d. plasticity.		
ANSWER: c		

a. lateralization.b. neurogenesis.

225. Exercise and sleep are natural ways to promote

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
c. hemispherectomy.		
d. reuptake.		
ANSWER: b		
226. The surgical removal of an entire he	emisphere of the brain is called	
a. a hemispherectomy.		
b. neurogenesis.		
c. plasticity.		
d. lateralization.		
ANSWER: a		
227. A tendency for the brain's left and r a. hemispherectomy.	ight hemispheres to serve different	functions is called
b. lateralization.		
c. neurogenesis.		
d. plasticity.		
ANSWER: b		
228. The control of speech production by	the left rather than the right hemi-	sphere of the brain best illustrates
a. neurogenesis.	_	
b. lateralization.		
c. tomography.		
d. plasticity.		
ANSWER: b		
229. Damage to the left cerebral hemisph a. solve arithmetic problems.	nere is most likely to reduce people	e's ability to
b. copy drawings.		
c. recognize faces.		
d. recognize familiar melodies.		
ANSWER: a		
230. The corpus callosum is a wide band	of axon fibers that	
a. enables the left hemisphere to con		
b. transmits information between the	·	
c. sends information from the left ha	<u>=</u>	ght cerebral hemisphere.
d. transfers neural impulses from the		= = = = = = = = = = = = = = = = = = =

231. People who have had their corpus callosum surgically severed are said to be patients with

a. brain plasticity.

ANSWER: b

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
b. brain fissures.		
c. neurogenesis.		
d. split brains.		
ANSWER: d		
232. Neurosurgeons have severed th	ne corpus callosum in human patients in	order to reduce
a. lateralization.		
b. epileptic seizures.		
c. neural plasticity.		
d. neurogenesis.		
ANSWER: b		
233. Sensory information is transmi hemisphere.	tted from the visual field of _	to the left cerebral
a. left; only the left eye		
b. right; only the right eye		
c. left; only the right eye		
d. right; both the right and left e	eves	
ANSWER: d		
	shed in the left visual field of a split-braithe right visual field. In identifying wha	
a. use her left hand to point to a	picture of a cat.	
b. verbally report that she saw a	cat.	
c. use her left hand to point to a	picture of a girl.	
d. verbally report that she saw a	girl.	
ANSWER: d	-	
235. A neurosurgeon begins to seda	te the entire left cerebral hemisphere of	a patient, who is instructed to count

- aloud with both arms in the air. What will most likely happen?
 - a. The patient's left arm will fall limp, and the patient will become speechless.
 - b. The patient's right arm will fall limp, and the patient will become speechless.
 - c. The patient's left arm will fall limp, but the patient will continue counting aloud.
 - d. The patient's right arm will fall limp, but the patient will continue counting aloud.

ANSWER: b

- 236. Deaf people who use sign language typically
 - a. demonstrate greater mathematical competence than hearing persons.
 - b. process language in their left cerebral hemisphere.
 - c. have better communication skills than hearing persons.

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
d. have a smaller corpus callosun	n than hearing persons.	
ANSWER: b		
237. Which of the following best desc a. They work together.	cribes the relationship between the left	and right brain hemispheres?
b. They are not aware of each oth	ier.	
c. The right brain hemisphere con	ntrols most of human functioning.	
d. The left brain hemisphere is no	ot required.	
ANSWER: a		
current activities, it is likely that Juan a. left hemisphere; right hemisph b. right hemisphere; left hemisph	ere	
c. association area; somatosensor		
d. somatosensory cortex; associat	tion area	
ANSWER: a		
239. People who suffer partial paralysthey can move a paralyzed limb. a. right cerebral hemisphere b. corpus callosum c. left cerebral hemisphere d. occipital lobes ANSWER: a	sis as a result of damage to the	will sometimes obstinately claim
240. When Lanae does her math hom	nework, which area of her brain is most	t active?
a. her amygdala		
b. her left hemisphere		
c. her temporal lobe		
d. her right hemisphere		
ANSWER: b		
241. The scientific study of the links a. neurology.	between biological and psychological	processes is called
b. cognitive psychology.		
c. endocrinology.		
d. biological psychology.		
ANSWER: d		
242. Dr. Warbs conducts research on	the relationship between excess neuro	transmitter molecules in the synaptic

gap and migraines. Dr. Warbs' research focus is most characteristic of

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
a. tomography.		
b. biological psychology.		
c. endocrinology.		
d. cognitive psychology.		
ANSWER: b		
243. A biological psychologist would be	most interested in conducting research	arch on the relationship between
a. neurotransmitters and schizophren	ia.	
b. age and bone density.		
c. self-esteem and popularity.		
d. genetics and eye color.		
ANSWER: a		
244. Cognitive neuroscience is most dire a. hormonal and neural processes.	ctly concerned with studying conne	ections between
b. evolution and natural selection.		
c. genes and neurotransmitters.		
d. brain activity and thought processed	es.	
ANSWER: d		
245. Which specialty area would be most person's ability to solve crossword puzzle		-activation patterns associated with a
a. evolutionary psychology		
b. cognitive neuroscience		
c. behavior genetics		
d. personality psychology		
ANSWER: b		
246. Consciousness is defined as		
a. the ability to solve problems, reason	on, and remember.	
b. the process of organizing and inter	preting sensory information.	
c. effortless processing of incidental		
d. our awareness of ourselves and ou	r environment.	
ANSWER: d		

247. Attention to her long-term goal of becoming a doctor enables Maria to avoid thoughtlessly skipping

a. change blindness. b. consciousness.

d. REM rebound.

c. the circadian rhythm.

difficult class assignments. This best illustrates the adaptive value of

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
ANSWER: b		
248. Brain scans indicate that consciousr a. the suprachiasmatic nucleus.	ness arises from	
b. the amygdala.		
c. the somatosensory cortex.		
d. coordinated, cortex-wide activity.		
ANSWER: d		
249 is a product of coordinate	ed, cortex-wide activity.	
a. Selective attention		
b. Sequential processing		
c. Consciousness		
d. Echolocation		
ANSWER: c		
250. If a stimulus activates enough brain consciousness.	-wide coordinated neural activity, it c	erosses a(n) for
a. synapse		
b. sequence		
c. action potential		
d. threshold		
ANSWER: d		
251. Alyssa is learning how to drive and and the road signs and traffic signals. The a. inattentional blindness.		perating, the traffic on the road,
b. change blindness.		
c. consciousness.		
d. two-track mind.		
ANSWER: c		
252. Sequential processing refers to		
a. the formation of complex neural n		
b. consciously focusing on one aspec	•	
·	regulate basic life-sustaining process	ses such as breathing.
d. the coordinated cortex-wide activi	ity that triggers consciousness.	
ANSWER: b		
253. Angela is focusing her study efforts	on biology, a subject she knows noth	ning about. Specifically, she is

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a. sequential processing.

focused on an assignment involving dissection. She is likely to use

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
b. selective attention.		
c. neurogenesis.		
d. parallel processing.		
ANSWER: a		
254. Multiplying two large numbers by serial order best illustrates	consciously focusing on and solving	g each subcomponent of the task in
a. the circadian rhythm.		
b. the two-track mind.		
c. sequential processing.		
d. change blindness.		
ANSWER: c		
255. June is at a research conference and Reading carefully about the new research a. parallel processing.		•
b. sequential processing.		
c. consciousness.		
d. inattentional blindness.		
ANSWER: b		
256. Stephanie is learning how to touch a. sequential processing.	type. Because this is a new skill for	her, it will involve
b. parallel processing.		
c. selective attention.		
d. neurogenesis.		
ANSWER: a		
257. Wayne is playing a new video gam it will involve	e with his older brother. Because th	is is his first time playing the game,
a. sequential processing.		
b. parallel processing.		
c. change blindness.		
d. neurogenesis.		
ANSWER: a		
258. The processing of many aspects of a. neural plasticity.	a problem at the same time is called	i
b. selective attention.		

c. parallel processing.d. REM rebound.

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
ANSWER: c		
259. A capacity to monitor the color,a. REM rebound.b. parallel processing.c. the circadian rhythm.d. change blindness. ANSWER: b	shape, and motion of a flying kite all a	at the same time best illustrates
260. As you watch an airplane fly by a. parallel processing.b. sequential processing.c. consciousness.d. selective attention. ANSWER: a	, you notice the motion, the color, and	shape of the plane. This involves
	, she was slightly groggy but was able ork this afternoon, she was tired and wa fferent	
262. Which of the following is NOTa. daydreamingb. sleepingc. inattentional blindnessd. meditating ANSWER: c	a state of consciousness?	
263. Focusing conscious awareness of a. neurogenesis.b. parallel processing.c. change blindness.d. selective attention. ANSWER: d	on a particular stimulus is called	
	cess all the sensory information availal	ble to us at any single point in time

a. circadian rhythm.

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best illustrates the need for

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
b. selective attention.c. REM rebound.		
d. hypnagogic sensations.		
ANSWER: b		
265. While engrossed in studying for his or even by his sisters' conversation. This a. inattentional blindness.	1 .	ly distracted by the sounds of the TV
b. latent content.		
c. hypnagogic sensations.		
d. selective attention.		
ANSWER: d		
266. A grocery store employee was so di perceive the unique tattoo on his arm. The	•	ber's weapon that she failed to
a. parallel processing.		
b. change blindness.		
c. selective attention.		
d. hypnagogic sensations.		
ANSWER: c		
267. Tracey frequently checks her text m Tracey, percent of American of		
a. 15		souge with any my me puse month.
b. 25		
c. 35		
d. 60		
ANSWER: d		
268. The increased risk of car accidents far a. results primarily from using one h		e.
b. is no greater than the risk for drive		
c. is no greater than the risks for driv		
d. is equally great for those using ha	•	phones.
ANSWER: d		r
269. Which of the following poses the gr a. sending text messages	reatest risk of an accident while dri	iving?
b. talking on a cell phone		
c. listening to the car radio		

d. talking with others in the vehicle

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
ANSWER: a		
270. While driving to work, Tom was through a red light and hit another veh a. parallel processing.b. the suprachiasmatic nucleus.c. hypnagogic sensations.d. selective attention.	<u>-</u>	-
271. Failing to see visible objects whe a. narcolepsy.	en our attention is directed elsewhere i	is called
b. parallel processing.		
c. paradoxical sleep.		
d. inattentional blindness.		
ANSWER: d		
272. When asked to watch a video and research participants remained unawar illustrated a. REM rebound. b. inattentional blindness.	±	± • ±
c. hypnagogic sensations.		
d. parallel processing.		
ANSWER: b		
273. While a man provided directions between them carrying a door. The may was replaced by another person wearing a neural plasticity.	an's failure to notice that during this in	nterruption the construction worker
b. latent content.		
c. parallel processing.		
d. change blindness.		
ANSWER: d		
274. After stopping to talk to a friend her back pocket, has fallen out. Her or a. parallel processing.	<u> </u>	her cell phone, which had been in

ANSWER: d

b. inattentional blindness.c. sequential processing.d. change blindness.

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
275. After turning to wave at one of he been right next to her lunch plate, is not a. parallel processing.b. neural plasticity.c. latent content.d. change blindness. ANSWER: d	<u> </u>	
276. Research on sleep and dreaming ca. sleepwalkers are acting out their b. while some people dream every	dreams. night, others seldom dream. nds to sound stimuli even during sle	ep.
1 1	• •	•
278. When pulling an all-nighter to stu but experience new energy around the a. sleep apnea.b. neurogenesis.c. the circadian rhythm.d. REM rebound. ANSWER: c	•	
279. With the approach of night, our bear a. hypnagogic state.b. circadian rhythm.c. alpha wave pattern.d. REM rebound. ANSWER: b	ody temperature begins to drop. This	best illustrates the dynamics of the
280. Human body temperatures typical approaches. a. rise; stay the same b. fall; rise	ly with the approach of ni	ght but as morning

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Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
c. fall; stay the same		
d. rise; fall		
ANSWER: b		
281. Amber most enjoys partying with fr the morning when she feels most energet the fact that age and experience tend to a a. REM rebound. b. NREM-2 sleep.	ic. This difference between Ambe	<u> </u>
c. hypnagogic sensations.		
d. circadian rhythm.		
ANSWER: d		
282. Most 20-year-olds are "owls," with with performance as the day p a. improving; declining b. declining; improving c. declining; staying the same d. staying the same; declining	-	day. Most older adults are "larks,"
ANSWER: a		
283. Fast and jerky movements of the ey a. change blindness.b. parallel processing.c. REM (R) sleep.d. sleep apnea.	es are especially likely to be assoc	ciated with
ANSWER: c		
284. The relatively slow brain waves of a a. EEGs. b. REM rebound. c. alpha waves.	a relaxed, awake state are called	
d. delta waves.		
ANSWER: c		
285. It's almost midnight and Joanna is relaxed, she has not yet fallen asleep. An a. delta waves. b. alpha waves. c. free radicals.		•
o. Hoo fadicals.		

d. rapid eye movements.

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
ANSWER: b		
286. A periodic, natural loss of conscients.a. general anesthesia.b. the two-track mind.c. a hallucination.d. sleep. ANSWER: d	ousness that involves distinct stages is	s known as
287. Which sleep stage is characterize a. N1 b. N2 c. N3 d. REM ANSWER: a	d by slowed breathing and irregular b	rain waves?
288. Fantastic images resembling hallea. sleep apnea.b. delta waves.c. change blindness.d. N1 sleep. ANSWER: d	ucinations occur with the onset of	
289. Hypnagogic sensations are most of a. N1 b. N2 c. N3 d. REM ANSWER: a	closely associated with slee	ep.
290. Shortly after falling asleep, Josh illustrates a. the circadian rhythm. b. hypnagogic sensations. c. sleep apnea. d. narcolepsy. ANSWER: b	felt like he was falling from the top of	f a high cliff. His experience best
291. Which sleep stage lasts about 20 a. N1 b. N2	minutes and includes bursts of rapid,	rhythmic brain-wave activity?

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
c. N3		
d. REM		
ANSWER: b		
292. An EEG shows bursts of rapid b a. N1	rain-wave activity during sleep).
b. N2		
c. N3		
d. REM		
ANSWER: b		
	ph was so soundly asleep his parents were point in Joseph's sleep, an EEG would have	
b. free radicals.		
c. delta waves.		
d. REM rebound.		
ANSWER: c		
294. The large slow brain waves asso a. EEGs.	ciated with deep sleep are called	
b. delta waves.		
c. REM rebound.		
d. alpha waves.		
ANSWER: b		
295. Which 30-minute sleep stage is a. N1	characterized by slow-wave sleep and del	ta waves?
b. N2		
c. N3		
d. REM		
ANSWER: c		
296. Delta waves are most clearly ass a. N1 b. N2	ociated with sleep.	
c. N3		
d. REM		
ANSWER: c		
297. Bed-wetting is most likely to occ	cur at the end of sleep.	

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
a. N1		
b. N2		
c. N3		
d. REM		
ANSWER: c		
298. Hypnagogic sensations are to a. N1; N3 b. REM; N2 c. N2; REM	as delta waves are to	
d. REM; N1		
ANSWER: a		
299. At 2 o'clock in the morning, 25-year continues, we can expect an increasing of a. hypnagogic sensations.b. muscle tension.c. REM sleep.d. NREM-3 sleep.		ree hours. As long as his sleep
ANSWER: c		
300. During the course of a full night's sa. N3 sleep than in N2 sleep. b. REM sleep than in N1 sleep. c. N1 sleep than in N3 sleep. d. REM sleep than in N2 sleep. ANSWER: b	leep, young adults are most likely to	spend more time in
301. Compared with young adults, older a. spend less time in paradoxical sle b. spend less time in N1 sleep. c. spend more time in paradoxical sl d. complete the sleep cycle more slot <i>ANSWER:</i> a	ep.	
302. Stephanie is sleeping and will pass progresses, we can expect that she will sa. deep b. REM c. N1		reral times tonight. As the night

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
ANSWER: a		
303. The brain waves associated with	REM sleep are most similar to those of	of
a. N1 sleep.		
b. N2 sleep.		
c. N3 sleep.		
d. an awake but relaxed state.		
ANSWER: a		
304. Alicia is sleeping and is currently	dreaming. Which sleep stage is she i	n?
a. REM		
b. N1		
c. N2		
d. N3		
ANSWER: a		
305. Three hours after she goes to slee and her eyes move rapidly under her c	-	-
a. dreaming.		
b. emitting delta waves.		
c. about to sleepwalk.		
d. experiencing a night terror.		
ANSWER: a		
306. Genital arousal is most likely to b	be associated with	
a. sleep apnea.		
b. REM sleep.		
c. NREM-3 sleep.		
d. narcolepsy.		
ANSWER: b		
307. During REM sleep, your muscles	are relaxed because messages from the	he motor cortex are blocked by the
a. brainstem.		
b. hypothalamus.		
c. suprachiasmatic nucleus.		
d. amygdala.		
ANSWER: a		
308. REM sleep is called paradoxical s	sleep because	
a. our heart rate is slow and steady	, while our breathing is highly irregu	lar.

b. we are deeply asleep but can be awakened easily.

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
• •	e, while our voluntary muscles hardly reams that are perceived as colorless	
309. Piper is in a sleep stage that is als a. REM b. N1 c. N2 d. N3 ANSWER: a	o known as paradoxical sleep. Which	h sleep stage is she in?
310. After sleeping for about an hour a a. be easily awakened. b. have slower, more regular breat c. emit slower brain waves. d. have very relaxed muscles. ANSWER: d	•	f paradoxical sleep. He is likely to
b. dreams during N1 rather than do	e were awakened during REM sleep. uring REM sleep.	
312. The sleep cycle can be expected to a. 30 b. 60 c. 90 d. 120 ANSWER: c	to repeat itself every minut	tes.
313. Which of the following is a good a. biological sex b. weight c. age d. race ANSWER: c	indicator of how much sleep a person	n needs each day?
314. Kirsten worries that her teenage s linked to American adolescents getting		. Which of the following is NOT

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
a. earlier school start times		
b. eating an early dinner		
c. extracurricular activities		
d. social media use		
ANSWER: b		
315. The circadian rhythm is influenced by a. suprachiasmatic nucleus.	by light-sensitive retinal proteins t	hat trigger signals to the
b. hippocampus.		
c. amygdala.		
d. brainstem.		
ANSWER: a		
316. After flying from Barcelona to Bosto sleepless night. His problem was most lik	<u>=</u>	irs of daylight and had a restless,
a. sequential processing.		
b. circadian rhythm.		
c. hypnagogic sensations.		
d. sleep apnea.		
ANSWER: b		
317. The activation of light-sensitive prot a. free radicals.	eins in our eyes' retinas signals ou	ir brain to decrease the production of
b. serotonin.		
c. melatonin.		
d. dopamine.		
ANSWER: c		
318. The pair of cell clusters in the hypotla. the hippocampus.	halamus that controls our circadia	n rhythm is
b. melatonin.		
c. hypnagogic sensation.		
d. the suprachiasmatic nucleus.		
ANSWER: d		

319. Exposure to bright light causes the

- a. thyroid gland to increase the production of melatonin.
- b. thyroid gland to suppress the production of melatonin.
- c. suprachiasmatic nucleus to increase the production of melatonin.
- d. suprachiasmatic nucleus to suppress the production of melatonin.

ANSWER: d

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
320. Humans placed under unnatural constar production of	nt illumination have more difficulty s	leeping thanks to decreased
a. leptin.		
b. cortisol.		
c. melatonin.		
d. free radicals.		
ANSWER: c		
321. It is around 11:00 P.M. and Bill is begindown, allowing the release of melatonin into a. suprachiasmatic nucleus	• 10	s because the quiets
b. pituitary gland		
c. thyroid gland		
d. hypothalamus		
ANSWER: a		
322. The idea that sleeping at night kept our sleep?	ancestors out of danger supports whi	ich theory of why we need
a. Sleep protects.		
b. Sleep helps us recover.		
c. Sleep aids memory.		
d. Sleep helps creativity.		
ANSWER: a		
323. Bats need a lot of sleep because they bu neurons.	arn a lot of calories, which produces _	that are toxic to
a. growth hormones		
b. high melatonin levels		
c. free radicals		
d. alpha waves		
ANSWER: c		
324. Which of the following animals tend to a. giraffes	sleep the least?	
b. dolphins		
c. cats		
d. bats		
ANSWER: a		

325. Sleep can help us to recuperate by doing all of the following EXCEPT

a. restoring the immune system.

Name:	Class:	Date:
ΓΒ1 Chapter 02: Multiple Choice		
b. consolidating our memories.		
c. repairing brain tissue.		
d. pruning unused connections in the brain.		
ANSWER: b		
326. During sleep, memories stored in the	are moved to permar	nent storage in areas of the cortex.
a. thalamus		
b. suprachiasmatic nucleus		
c. amygdala		
d. hippocampus		
ANSWER: d		
327. Barbara has a psychology exam tomorrow give her to help her on her exam tomorrow?	and has been studying all	day today. What advice would you
a. "Cram for the exam all night tonight."		
b. "Don't worry about it tonight. Get up early	v tomorrow and cram for	the exam right before you take it."
c. "Don't sweat it! If you don't know the ma	•	•
d. "Make sure you get enough sleep tonight recent learning."		-
ANSWER: d		
328. Simone is a political cartoonist whose work visually novel ways. Her work is most likely to a. hypnagogic sensations.	*	ginatively and present ideas in
b. EEG recordings.		
c. full nights of sleep.		
d. sleep apnea.		
ANSWER: c		
329. Production of the human growth hormone with	necessary for muscle deve	lopment is most strongly associated
a. alpha waves.		
b. slow-wave sleep.		
c. hypnagogic sensations.		
d. REM rebound.		
ANSWER: b		

330. Terrance spent several sleepless nights worrying about whether he would be accepted by the college of his choice. During the first few days after he received his acceptance letter, he averaged nearly 12 hours of sleep. He then settled back to 7.5 to 9 hours of sleep a day. The unusually lengthy sleep time of the first few days after exams suggests that Terrance ended the semester with

a. sleep apnea.

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
b. narcolepsy.		
c. low melatonin levels.		
d. a sleep debt.		
ANSWER: d		
331. People who regularly sleep less than risk of gaining weight.	normal experience a(n)	_ risk of depression and a(n)
a. decreased; decreased		
b. increased; increased		
c. decreased; increased		
d. increased; decreased		
ANSWER: b		
332. Sleep deprivation has been shown to		
a. increase attentiveness to highly mor	ivating tasks.	
b. reduce REM rebound.		
c. diminish immunity to disease.		
d. decrease narcolepsy.		
ANSWER: c		
333. Traffic accident rates have been foun after the fall change back to star		hange to daylight saving time and to
a. increase; increase		
b. decrease; decrease		
c. increase; decrease		
d. decrease; increase		
ANSWER: c		
334. Shelby has not had enough sleep in the because her lack of sleep diminishes her a. cortisol levels.	ne past week. She is at increased	risk of having a driving accident
b. REM rebound.		
c. ability to focus attention.		
d. hypnagogic sensations.		
ANSWER: c		
335. Of the following people, who will be a. Bree, who is on a diet	LEAST likely to resist temptation	on to the sight of food?
b. Scott, who is fasting for religious re	vacone	
c. Parker, who is well rested	asons	
	clean for the next few days	
d. Margo, who has not gotten enough	steep for the past few days	

Class:	Date:
ns when sleep deprived because temptation decrease. lated to sleep loss increases h	
the hunger-arousing hormon	e and decreases levels of the
duction of body fat by	levels of the stress hormone cortisol.
metabolic rate and	limbic brain responses to the
ch sleep as she needs. This is	most likely to place her at an increased
	ns when sleep deprived because temptation decrease. lated to sleep loss increases here the hunger-arousing hormon duction of body fat by metabolic rate and

341. Claire has a difficult time sleeping several nights throughout the week. Which of the following is NOT a natural sleep aid that you should recommend to Claire?

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
a. get regular exercise		
b. take long naps		
c. relax before bedtime		
d. manage your stress		
ANSWER: b		
342. Brenda, who is supposed to get marrie to fall asleep, you would say that she is	ed tomorrow morning, can't get to	o sleep. Regarding Brenda's inability
a. displaying early signs of insomnia.		
b. displaying normal sleep deprivation	because she is either excited or a	anxious.
c. suffering from both sleep apnea and	narcolepsy.	
d. unable to sleep because she is afraid <i>ANSWER</i> : b	of experiencing night terrors du	e to her excitement.
343. A recurring difficulty in falling or staya. narcolepsy.b. insomnia.	ying asleep is called	
c. sleep apnea.		
d. paradoxical sleep. ANSWER: b		
344. REM sleep is		
a. reduced by alcohol and reduced by s	sleeping pills.	
b. increased by alcohol and reduced by	sleeping pills.	
c. reduced by alcohol and increased by	sleeping pills.	
d. increased by alcohol and increased b	by sleeping pills.	
ANSWER: a		
345. A need to take larger and larger dosesa. narcolepsy.b. tolerance.c. sleep apnea.d. REM rebound.	of sleeping pills to avoid insomi	nia is an indication of

346. Narcolepsy is a disorder in which a person

- a. temporarily stops breathing during sleep.
- b. has sudden uncontrollable seizures.
- c. experiences uncontrollable attacks of overwhelming sleepiness.
- d. has difficulty falling and staying asleep.

ANSWER: c

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choice		
347. Mr. Jones is arguing with his so suddenly falls asleep. Mr. Jones appa	n about the son's use of the car. In the rently suffers from	middle of the argument, Mr. Jones
a. narcolepsy.	•	
b. insomnia.		
c. sleep apnea.		
d. sleepwalking.		
ANSWER: a		
348. In which of the following disord	lers does the person repeatedly stop br	reathing while asleep?
a. narcolepsy		
b. sleep apnea		
c. night terrors		
d. insomnia		
ANSWER: b		
349. Mr. Glenday repeatedly stops br a. sleep apnea.	reathing while asleep. It is most likely	that Mr. Glenday suffers from
b. narcolepsy.		
c. night terrors.		
d. insomnia.		
ANSWER: a		
350. Particularly among men, sleep a	pnea is linked with	
a. night terrors.		
b. sleepwalking.		
c. narcolepsy.		
d. obesity.		
ANSWER: d		
is most likely to indicate the presence	gets out of bed and sleepwalks to the ke of	citchen. An EEG of his brain activity
a. alpha waves.		
b. sleep spindles.		
c. REM sleep.		
d. delta waves.		
ANSWER: d		
352. Sitting up in bed, talking nonser a. narcolepsy.	ase, and appearing terrified during N3	sleep is most characteristic of
b. sleep apnea.		

Name:	Class:	Date:
TB1 Chapter 02: Multiple Choic	<u>ee</u>	
c. night terrors.		
d. REM rebound.		
ANSWER: c		
353. It has been found that night te	errors	
a. are usually recalled vividly	for days following their occurrence.	
b. are typically accompanied b	y a state of temporary muscular immobility	ty or paralysis.
c. jolt the sleeper to a sudden s	state of full waking alertness.	
d. typically occur during N3 sl	eep.	
ANSWER: d		
a. dream.	ons, and thoughts passing through a sleeping	ng person's mind is called a(n)
b. image.		
c. memory.		
d. REM rebound. ANSWER: a		
ANSWER. a		
355. Research studies of the content	nt of dreams indicate that	
a. men are less likely than wor	men to report dreams with sexual overtone	es.
b. the genital arousal that occu	rs during sleep is typically related to sexu	al dreams.
c. most dreams are bad dreams	s, involving being attacked or rejected, for	example.
d. most dreams are pleasant, ex	xotic, and unrelated to ordinary daily life.	
ANSWER: c		
356. Which of the following is NC a. winning the lottery	OT a common theme in our dreams?	
b. failing at something		
c. being attacked		
d. experiencing misfortune		
ANSWER: a		

- 357. During lunch your friend tells you about her latest dream. In her dream, she was attacked, beaten, and robbed while at home. What would your response be?
 - a. "That's a strange dream."
 - b. "You should be extra careful. It may be a premonition."
 - c. "I read recently that those types of dreams are very rare."
 - d. "Being attacked is one of the most common themes in dreams."

ANSWER: d

358. Our capacity to monitor external stimuli well enough to stroll around our house while sleeping best

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TB1 Chapter 02: Multiple Choice		
illustrates that we function with a		
a. circadian rhythm.		
b. two-track mind.		
c. REM rebound.		
d. sleep debt.		
ANSWER: b		
359. Who is most likely to have a violer	nt dream tonight?	
a. Sally, who watched a musical rig	_	
b. Michael, who played a video gam	ne before going to bed	
c. Jenny, who is undergoing play the	erapy	
d. Kelly, who watched a scary movi	e before going to bed	
ANSWER: d		
360. According to Freud, the dreams of	adults can be traced back to	
a. erotic wishes.		
b. stressful life events.		
c. biological needs for brain stimula	ation.	
d. random bursts of neural activity.		
ANSWER: a		
361. Freud called the remembered story	line of a dream its conten	ıt.
a. manifest		
b. paradoxical		
c. hypnagogic		
d. circadian		
ANSWER: a		
362. As Alane recalled her dream, she wapproached her; suddenly the scene shift represents the content of her or	ted and the man disappeared. Accord	
a. paradoxical		
b. manifest		
c. latent		
d. hypnagogic		
ANSWER: b		
363. According to Freud, the latent cont a. its accompanying brain-wave patt		
b. the previous day's events that pro		
c. the sensory stimuli in the sleeper'	s environment that are incorporated	into the dream.

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d. its underlying but censored meaning. ANSWER: d		
364. Fred remembered a recent dream in wl Fred's therapist suggested that the dream mi intimacy. According to Freud, the therapist a. paradoxical content b. circadian rhythm c. latent content d. manifest content	ight be a representation of the g	irlfriend's efforts to avoid sexual

ANSWER: c

- 365. Which of the following is NOT a criticism of Freud's dream theory?
 - a. Dreams can be interpreted in many different ways.
 - b. There is no scientific evidence to support Freud's theory.
 - c. We do not experience sexually themed dreams frequently.
 - d. Freud's theory has inspired other theories.

ANSWER: d

366. Chris has greater difficulty remembering what he learns during his Spanish class if he experiences less than his normal amount of REM sleep the night after the class. Which theory best accounts for Chris' experience?

- a. wish-fulfillment theory
- b. cognitive development theory
- c. REM rebound theory
- d. information-processing theory

ANSWER: d

- 367. You have an exam coming up and have been studying for the past hour. You know that if you get a good night's rest, it will aid your memory of what you have studied. Why is that?
 - a. Sleep appears to reactivate recent experiences that are stored in the hippocampus and move them to permanent storage elsewhere in the cortex.
 - b. Sleep allows resting neurons time to repair themselves and prunes unused connections in the brain.
 - c. During sleep, the pituitary gland releases a human growth hormone that is necessary for muscle development.
 - d. You are incorrect. Getting a good night's rest will not improve your memory of what you studied.

ANSWER: a

- 368. Evidence suggests that we strengthen and file away our memories of recent life events through
 - a. sleeptalking.
 - b. EEG recordings.
 - c. sleep apnea.
 - d. REM sleep.

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ANSWER: d		
369. Brain regions that were active as likely to be active again later as they e a. night terrors. b. narcolepsy. c. sleep apnea.		nce between objects were especially
d. REM sleep. ANSWER: d		
370. Research indicates that total timea. males.b. infants.c. females.d. the elderly. ANSWER: b	spent in REM sleep is especially hig	gh in
371. Dreams often involve sudden em serves to support the theory that dream a. strengthen our memories of the b. reflect our level of cognitive de c. prepare us for the stress and chad. are initiated when neural activit <i>ANSWER</i> : d	preceding day's events. velopment.	
372. Increased activity in theaccompanied by a strong emotional to a. suprachiasmatic nucleus b. frontal lobes c. somatosensory cortex d. limbic system ANSWER: d	_ during REM sleep may best explaine.	n why dream images are often
373. Which theory emphasizes that dreat a. wish-fulfillment theory b. random neural activation theory c. REM rebound theory d. cognitive development theory		our current understandings of reality?
ANSWER: d		
374. Kailee is a university student in a	philosophy program. The fact that he	er dreams often involve abstract

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issues is best explained by

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TB1 Chapter 02: Multiple Choice

- a. wish-fulfillment theory.
- b. cognitive development theory.
- c. neural activation theory.
- d. REM rebound theory.

ANSWER: b

375. REM rebound involves the

- a. tendency for REM sleep periods to become longer and more frequent as a normal night of sleep progresses.
- b. increase in REM sleep that characteristically follows intense learning episodes or stressful daytime experiences.
- c. unusual symptoms of tiredness and irritability that follow periods of REM sleep deprivation.
- d. tendency for REM sleep to increase following REM sleep deprivation.

ANSWER: d

- 376. The best indication that our dreaming serves a necessary biological function is provided by the fact that
 - a. most dreams are psychologically meaningless.
 - b. the disruption of REM sleep leads to narcolepsy.
 - c. we experience REM rebound.
 - d. sexual tension is naturally discharged during REM sleep.

ANSWER: c

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TB1 Chapter 02: Essay

- 1. Explain how plasticity of the brain changes throughout life. When is it considered the strongest? *ANSWER*:
- 2. Draw a neuron, and label and identify each part. Briefly describe the function of each part of the neuron. *ANSWER*:
- 3. Describe how an action potential moves down a neuron.

ANSWER:

4. After Julia began using a street drug to enhance her moods, she discovered that she needed larger and larger doses of the drug in order to feel the drug's effect. Use your understanding of the neurotransmission process to explain Julia's experience.

ANSWER:

- 5. The ancient Greek physician Hippocrates believed that four basic body fluids (blood, black bile, yellow bile, and phlegm) influenced human behavior, emotions, and personality. Use your understanding of the body's rapid and slower chemical communication systems to support or refute the general logic of Hippocrates' theory. *ANSWER*:
- 6. Compare and contrast three of the different brain imaging techniques discussed in the text. *ANSWER:*
- 7. Describe specific functions of our older brain structures that reveal that our brains are responsible for much more than simply our capacity to think.

 ANSWER:
- 8. Describe how damage to specific structures in your limbic system would likely affect your experience of (a) emotions such as fear and anger, (b) motives such as the thirst and sex drives, and (c) memories such as recall of high school classmates.

ANSWER:

- 9. After suffering a head injury while playing soccer, Jennifer says that she remembers what her father looks like, and she can accurately recall many of her father's distinctive facial features. However, when she is shown pictures of her father, Jennifer is unable to recognize who it is, even though she can see clearly. Use your understanding of the functioning brain to account for Jennifer's strange pattern of experience. *ANSWER:*
- 10. A series of strokes has damaged regions of Mr. Sklar's temporal lobes. He can still clearly hear what others are saying, but he now has trouble comprehending spoken language. Use your understanding of the brain's association areas to explain why the stroke damage could leave Mr. Sklar's hearing unaffected while interfering with his ability to identify the meaning of spoken words. *ANSWER*:
- 11. Janet was in an automobile accident as a child but seems to have fully recovered as an adult. Explain the role of plasticity in her recovery.

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TB1 Chapter 02: Essay		
ANSWER:		
	of both a normally functioning brain and ation processing takes place outside of c	
• •	el processing and sequential processing ential processing illustrates our two-trac	ž ,
14. Steve works a graveyard shift at Explain how this work pattern is afformation and the state of the state	his current place of employment and alvecting his circadian rhythm.	ways feels tired and sleep deprived.
15. Identify the different sleep stage ANSWER:	s, and describe what occurs during each	stage.
16. Compare and contrast the five th <i>ANSWER</i> :	eories that are used to help explain our	need for sleep.
17. Outline the effects of sleep depri	vation that are discussed in the text.	
18. Compare and contrast the major <i>ANSWER</i> :	sleep disorders that are discussed in the	text.
at night. Before he retires for the nig bed he eats some cake, takes a coupl	culty falling asleep at night and therefore, the tries to wear himself out by doing the of sleeping pills, and then reviews the purgive Andre to help him fall asleep?	g 100 push-ups. Before getting into
<u>-</u>	was an active shooter at a concert. Desc d explain why she would have those dre	_

21. Marco studied all evening for a chemistry test scheduled for the following morning. That night he dreamed that he accurately copied a female classmate's correct answers to the test questions as they unexpectedly flashed before his eyes. Compare and contrast explanations of Marco's dream that might be provided by Freud's wishfulfillment theory, by an information-processing theory, and by the theory that dreams are initiated by random neural activation.

ANSWER: