

Lesson Quiz 6-1



Body and Behavior

DIRECTIONS: Modified True/False In the blank, indicate whether the statement is true (T) or false (F). If false, edit the statement to make it a true statement.

- _____ 1. The peripheral nervous system includes the brain and the spinal cord.

- _____ 2. When a neuron fires, it always does so at full strength.

- _____ 3. The shape and size of dendrites remain the same over a person's lifetime.

- _____ 4. When you smell something, the message from your nose to your brain travels over afferent neurons.

- _____ 5. Digesting a meal you just ate engages the somatic nervous system.

DIRECTIONS: Multiple Choice Indicate the answer choice that best completes the statement or answers the question.

- _____ 6. The brain is both protected from physical damage and insulated against extreme temperatures by
 - A. the central nervous system.
 - B. the spinal cord.
 - C. layers of sheathing.
 - D. the peripheral nervous system.
- _____ 7. Chemical-electrical signals travel down neurons much like
 - A. a helium-filled balloon rises in the sky.
 - B. a flame travels along the fuse of a firecracker.
 - C. water gushes over a waterfall.
 - D. a snake slithers through the grass.
- _____ 8. A person with multiple sclerosis lacks
 - A. axon terminals.
 - B. neurotransmitters.
 - C. dendrites.
 - D. the myelin sheath.
- _____ 9. An oversupply of dopamine could result in
 - A. schizophrenia.
 - B. Parkinson's disease.
 - C. paralysis.
 - D. Alzheimer's disease.
- _____ 10. How might a student's parasympathetic nervous system respond at the end of gym class?
 - A. increasing the supply of oxygen to body tissues
 - B. increasing blood flow to the muscles
 - C. reducing the heart rate
 - D. suspending digestion

Lesson Quiz 6-2



Body and Behavior

DIRECTIONS: Matching Match each item with the correct statement below.

- | | |
|--|---------------------------|
| _____ 1. important for planning and creative thinking | A. occipital lobe |
| _____ 2. useful for carrying on a conversation | B. parietal lobe |
| _____ 3. connects two hemispheres | C. temporal lobe |
| _____ 4. needed for sight | D. frontal lobe |
| _____ 5. receives sensory information from all over the body | E. corpus callosum |

DIRECTIONS: Multiple Choice Indicate the answer choice that best completes the statement or answers the question.

- _____ 6. Which of the following parts of the brain includes the pons?
- A.** hindbrain
 - B.** midbrain
 - C.** forebrain
 - D.** thalamus
- _____ 7. Surgeons try to prevent grand mal seizures by
- A.** stimulating the amygdala.
 - B.** severing the corpus callosum.
 - C.** removing the parietal lobe.
 - D.** triggering memory sequences.
- _____ 8. A stroke that damages the left hemisphere of the brain would most likely impair a person's
- A.** pattern recognition.
 - B.** spatial abilities.
 - C.** left side movement.
 - D.** speech.
- _____ 9. A surgeon seeking to detect an increase in blood flow to an active structure of the brain would most likely use a(n)
- | | |
|--------------------|-----------------|
| A. EEG. | C. MRI. |
| B. CT scan. | D. fMRI. |
- _____ 10. Doctors today rarely perform lobotomies because
- A.** less intrusive ways to study the brain are available.
 - B.** they are too expensive.
 - C.** patients displayed too much emotion after the procedure.
 - D.** the operations had no effect on patients.

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Lesson Quiz 6-3



Body and Behavior

DIRECTIONS: Completion Enter the appropriate word(s) to complete the statement.

1. The _____ are located on top of the kidneys; they become active when a person is angry or frightened.
2. The "master gland" of the endocrine system is the _____ gland.
3. An insufficient amount of _____ in the bloodstream causes laziness and lethargy.
4. Variances in estrogen and progesterone can cause _____ syndrome in some women.
5. When it is secreted into the blood by the adrenal glands, norepinephrine functions as a _____.

DIRECTIONS: Multiple Choice Indicate the answer choice that best completes the statement or answers the question.

- _____ 6. Sweat glands, tear glands, and salivary glands are examples of

A. duct glands.	C. adrenal glands.
B. sex glands.	D. pineal glands.
- _____ 7. What might happen if a woman's body produces too much thyroxine?
 - A. She may feel lazy and lethargic.
 - B. She may lose sleep and become overactive.
 - C. She may experience premenstrual syndrome.
 - D. She may develop postpartum depression.
- _____ 8. If a person's sleep cycle is disrupted and his reproductive functions are inhibited, there is likely a problem with his
 - A. adrenal medulla.
 - B. thymus.
 - C. pancreas.
 - D. pineal gland.
- _____ 9. What has recently happened in the life of a woman experiencing postpartum depression?
 - A. She had her ovaries removed.
 - B. She received a serious injury.
 - C. She had a baby.
 - D. She lost a close family member.
- _____ 10. To send rapid and specific messages, the body uses
 - A. the endocrine system.
 - B. the nervous system.
 - C. a hormone system.
 - D. the gland system.

Lesson Quiz 6-4

**networks**

Body and Behavior

DIRECTIONS: Completion Enter the appropriate word(s) to complete the statement.

1. In the nature versus nurture debate, nurture refers to _____ factors that impact a person's behavior.
2. The outward expressions of genes, such as hair and eye color, are examples of a person's _____.
3. An extra chromosome in the 21st chromosomal pair results in _____ syndrome.
4. Fraternal twins are also called _____ twins.
5. Researchers analyzing the impact of heredity and environment often study _____ twins because they share the same genes.

DIRECTIONS: Multiple Choice Indicate the answer choice that best completes the statement or answers the question.

- _____ 6. If a class of 20 students is equally divided between boys and girls, in how many students would you find Y chromosomes?
A. 5
B. 10
C. 20
D. 0
- _____ 7. Which of the following factors increases a person's likelihood of experiencing heart disease or diabetes?
A. parents with heart disease and diabetes
B. 47 chromosomes instead of 46
C. no Y chromosome
D. a sibling with the same genes
- _____ 8. The likelihood of abnormalities increases in offspring that are the products of
A. outbreeding.
B. behaviorism.
C. inbreeding.
D. twin studies.
- _____ 9. Fraternal twins develop when
A. one sperm fertilizes one egg.
B. one sperm fertilizes two eggs.
C. two sperm fertilize one egg.
D. two sperm fertilize two eggs.
- _____ 10. Similar behaviors from identical twins who grew up in different homes provide evidence for the influence of
A. economic background.
B. schooling.
C. heredity.
D. environment.