Nervous System Quiz

Name: _____
Date: _____
Class: _____

1. Tim says that the brain contains an "intricate network" of neurons. What is the best synonym for "intricate?"

a. Small
b. Complex
c. Simple
d. Massive

2. What might happen if your body lacked neurotransmitters?

a. Your nerve cells could not communicate with one another.
b. Impulses could not travel along your nerve cells.
c. You would not be able to touch the objects that surround you.
d. Your nerve cells would begin dying off.

3. How are neurotransmitters different from the impulses that travel along the bodies of nerve cells?

a. The impulses are electrical; neurotransmitters are chemical.
b. The impulses travel at a faster rate than neurotransmitters.
c. The impulses send signals from the body to the brain; neurotransmitters send signals from the brain to the body.
d. The impulses occur constantly; neurotransmitters are released only occasionally.

4. Which process is governed by the autonomic nervous system?

a. Writing
b. Chewing
c. Running
d. Digesting food

5. Which of the following is an example of a reflex?

a. Drinking water
b. Reaching out to touch a hot object
c. Blinking
d. Throwing

6. Which of the following statements is true?

a. Your brain is involved in all the actions your body performs.
b. The nerves in your body are connected together tightly.
c. There are gaps between many of the nerve cells in your body.
d. The somatic nervous system allows you to feel hot and cold sensations.

7. If an area of your body is particularly sensitive, what can you conclude about that area?

a. It contains more skin cells than other areas of your body.
b. It contains more nerve endings than other areas of your body.
c. It conducts electricity better than other areas of your body.
d. It contains more neurotransmitters than other areas of your body.

8. Where in your body do you find nerve cells? Choose the best answer.

a. In your brain
b. In your spinal cord
c. In your neurons
d. Everywhere

9. A disorder called CIPA prevents certain people from feeling pain. What can you infer about these people?

a. They are capable of amazing feats of strength.
b. They often injure or burn themselves without realizing it.
c. Their brains do not function properly, so they can't think clearly.
d. They tend to live extremely long lives.

10. What can you infer about autonomic nervous system?

a. Autonomic information is transmitted by the heart.
b. The more pain receptors you have, the faster autonomic information gets sent.
c. Most autonomic functions are controlled by the brain.
d. Most autonomic functions are controlled by the spinal cord.