

Name \_\_\_\_\_  
Date \_\_\_\_\_

Class \_\_\_\_\_  
Nervous System Brainpop

**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 can 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 the difference between the autonomic and somatic nervous systems?**

- a. Somatic information is transmitted by nerve cells; autonomic information is transmitted by neurons
- b. Somatic information is transmitted by neurons; autonomic information is transmitted by nerve cells
- c. Most somatic functions are controlled by the spinal cord; most autonomic functions are controlled by the brain
- d. Most somatic functions are controlled by the brain; most autonomic functions are controlled by the spinal cord