

The Nervous System ▪ Chapter 15 Pre-Assessment

Write the letter of the correct answer on the line at the left.

- _____ 1. Which part of the skeletal system protects the brain?
 - a. spine
 - b. pelvic
 - c. skull
 - d. joint
- _____ 2. Which muscles can you control voluntarily?
 - a. heart muscles
 - b. leg muscles
 - c. muscles in a blood vessel
 - d. stomach muscles
- _____ 3. What is the smallest unit of structure in any body system?
 - a. structure
 - b. organ
 - c. tissue
 - d. cell
- _____ 4. What type of stimulus can the eye receive from the environment?
 - a. light rays
 - b. vibrations
 - c. sound
 - d. motion

The Nervous System ▪ Section 15.1 Quiz

Fill in the blank to complete each statement.

1. Many body processes are automatic, but some, such as swatting a fly in response to its buzzing, are _____.
2. The nervous system helps keep body systems balanced by maintaining _____.
3. A sensory neuron picks up stimuli from the _____.
4. A motor neuron sends an impulse to a _____ or gland, which reacts in response.
5. The junction where one neuron can transfer a nerve impulse to another structure is called the _____.

The Nervous System ▪ Section 15.2 Quiz

If the statement is true, write true. If the statement is false, change the underlined word or words to make the statement true.

- _____ 1. The peripheral nervous system consists of all the organs located outside the central nervous system.
- _____ 2. The three main regions of the brain are the cerebrum, cerebellum, and brain stem.
- _____ 3. The brain stem controls the body's voluntary processes, such as heartbeat.
- _____ 4. The spinal cord is the link between the brain and the peripheral nervous system.
- _____ 5. A fly zooms right at your eye, and you blink automatically. This type of response is called a somatic response.

The Nervous System ▪ Section 15.3 Quiz

Fill in the blank to complete each statement.

1. In bright light, the pupil of the eye becomes _____ .
2. The function of the lens of the eye is to _____.
3. Rod and cone cells are light receptors located on the _____.
4. The function of the external ear is to _____ .
5. In the inner ear, the semicircular canals help you _____.

The Nervous System ▪ Section 15.4 Quiz

If the statement is true, write true. If the statement is false, change the underlined word or words to make the statement true.

- _____ 1. Receptors in the mouth react to chemicals in the air.
- _____ 2. The tongue can detect five main flavors—sweet, sour, bitter, salty, and umami.
- _____ 3. A stuffy nose increases your ability to taste.
- _____ 4. Different types of stimuli in the skin react to touch, pressure, and heat.
- _____ 5. Sensing pain is important because it alerts you to danger.

The Nervous System ▪ Section 15.5 Quiz

Fill in the blank to complete each statement.

1. After a while, a drug abuser needs _____ of the drug to produce the same effect on the body.
2. When a person is _____ on a drug, he or she is addicted to it.
3. Depressants such as alcohol _____ the activity of the central nervous system.
4. Drinking alcohol on an empty stomach results in alcohol getting into the blood and to the _____ very quickly.
5. Eventually, abuse of alcohol can cause damage cells in the brain and the _____.