

UNIT 6 - NERVOUS SYSTEM / SPECIAL SENSES

ACTIVITY - Organization of the Nervous System

Directions: Choose the key responses that best correspond to the descriptions provided in the following statements. Insert the appropriate letter in the answer blanks.

Key Choices:

- A. Autonomic Nervous System
- B. Central Nervous System (CNS)
- C. Peripheral Nervous System (PNS)
- D. Somatic Nervous System

- _____ 1. Nervous System subdivision that is composed of the brain and spinal cord.
- _____ 2. Subdivision of the PNS that controls voluntary activities.
- _____ 3. Nervous system subdivision that is composed of the cranial and spinal nerves.
- _____ 4. Subdivision of the PNS that regulates the activity of the heart and smooth muscle (involuntary).

Relative to neuron anatomy, match the anatomical key terms that best correspond to the following statements. Place the correct term or letter in the answer blanks.

Key Choices:

- A. Axon
- B. Axon Bulb
- E. Cell Body
- C. Dendrite
- D. Myelin Sheath

- _____ 1. Releases neurotransmitters
- _____ 2. Directs messages toward the cell body
- _____ 3. Increases the speed of the message
- _____ 4. Location of the nucleus
- _____ 5. Long extension that takes messages to the target

Draw a diagram of a neuron. Label the parts. Then choose different colors for each of the structures. List below and use them to color in coding circles and corresponding structures in the illustration.

UNIT 6 - NERVOUS SYSTEM / SPECIAL SENSES

ACTIVITY - Organization of the Nervous System - **KEY**

1. B
2. D
3. C
4. A

1. B
2. A
3. D
4. E
5. C