CONCEPT: OVERVIEW OF THE NERVOUS SYSTEM

Introduction to the Nervous System

Central Nervous System (CNS)

Brain & spinal cord.

information.

◆ Receives, processes, & _

Controls consciousness.

◆ Intricate communication network consisting of ______, spinal cord, and nerves.

Nervous System Peripheral Nervous System (PNS) Information ◆ All nerves ____side CNS. Sensory ◆ Transmits information between ___ and other body parts. Motor

EXAMPLE

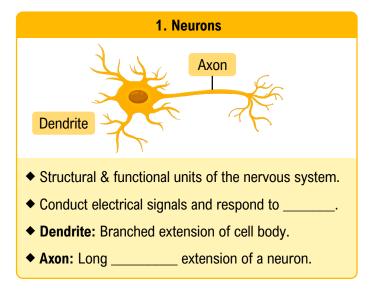
Identify each of the following as a function of CNS, PNS, or both.

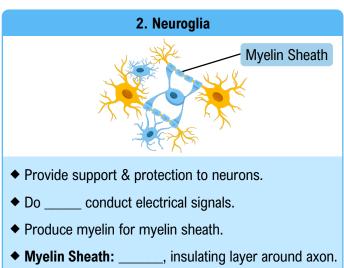
- a) _____ Feeling angry after an argument with a coworker.
- Feeling warmth from holding a cup of coffee. b)
- Deciding what study time best suits your needs. c) __
- Digesting a big burger that you ate a few minutes ago. d)

CONCEPT: OVERVIEW OF THE NERVOUS SYSTEM

Nervous Tissue

◆ Makes up most of the nervous system and consists of ____ types of cells.





EXAMPLE

Identify which of the following statement is incorrect.

- a) The myelin sheath is a fatty layer that insulates the axon.
- b) Dendrites and axons are extensions of neuron cell bodies.
- c) Neuroglia provide an electrical connection between two neurons.
- d) A neuron can receive and transmit electrical impulses.

PRACTICE

Which of the following statements about the nervous system is correct?

- a) The peripheral nervous system (PNS) consists of most of the nervous tissue outside CNS.
- b) Neuroglia are responsible for conducting electrical signals in the nervous system.
- c) Axons are insulated by myelin, a protein-rich substance.
- d) The brain is responsible for storing and recalling memories, not the mind.