

ANSWERS

1. The nervous system is a complex system of cells and fibers that transmit information throughout the body.

QUESTIONS

1. The nervous system is the body's communication system. It is the body's control center, and it coordinates all of the body's activities.

1. The nervous system is made up of two main parts: the central nervous system (CNS) and the peripheral nervous system (PNS). The CNS is located in the brain and spinal cord, and the PNS is located in the rest of the body.
2. The nervous system is made up of three types of cells: neurons, glial cells, and neuroglia. Neurons are the cells that transmit information, and glial cells and neuroglia are the cells that support and protect the neurons.
3. The nervous system is made up of two types of neurons: sensory neurons and motor neurons. Sensory neurons carry information from the PNS to the CNS, and motor neurons carry information from the CNS to the PNS.
4. The nervous system is made up of two types of fibers: myelinated fibers and unmyelinated fibers. Myelinated fibers are covered by a myelin sheath, which speeds up the transmission of information. Unmyelinated fibers are not covered by a myelin sheath, and they transmit information more slowly.
5. The nervous system is made up of two types of synapses: chemical synapses and electrical synapses. Chemical synapses are the most common type of synapse, and they involve the release of neurotransmitters. Electrical synapses are less common, and they involve the direct transfer of information between cells.
6. The nervous system is made up of two types of receptors: sensory receptors and motor receptors. Sensory receptors detect information from the environment, and motor receptors control the body's movements.
7. The nervous system is made up of two types of pathways: afferent pathways and efferent pathways. Afferent pathways carry information from the PNS to the CNS, and efferent pathways carry information from the CNS to the PNS.
8. The nervous system is made up of two types of centers: the brain and the spinal cord. The brain is the body's control center, and the spinal cord is the body's communication highway.

