

Nervous tissue, also called neural tissue or nerve tissue, is the main [tissue](#) component of the [nervous system](#). The nervous system regulates and controls bodily functions and activity and consists of two parts: the central nervous system (CNS) comprising the brain and spinal cord, and the peripheral nervous system (PNS) comprising the branching peripheral nerves. It is composed of neurons, or nerve cells, which receive and transmit impulses, and neuroglia, also known as glial cells or glia, which assist the propagation of the nerve impulse as well as provide nutrients to the neurons.

Nervous tissue is made up of different types of [nerve cells](#), all of which have an axon. An axon is the long stem-like part of the cell that sends action potential signals to the next cell. Bundles of axons make up the nerves in the PNS and tracts in the CNS.

Functions of the nervous system are sensory input, integration, control of muscles and glands, homeostasis, and mental activity.

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Last update: **2024/06/07 02:49**

