## The nervous system







The human nervous system is a complex communications network, consisting of two integrated systems:

## Central nervous system (CNS)

The CNS is made up of the brain and spinal cord. It acts as a command centre, interpreting incoming sensory information from your eyes and ears, for example, and controlling outgoing commands to muscles. Communication occurs via nerve impulses – electrical signals that travel along nerves. The brain also performs complex functions like learning, memory, emotion and abstract thought.

## Peripheral nervous system (PNS)

The PNS consists of sensory and motor nerves:

- Sensory nerves carry information to the CNS on what you can see, hear, smell, feel and taste. They are found throughout the body.
- Motor nerves carry command signals from the CNS to muscles for control of movement and bodily functions, such as heartbeat, digestion and sweating.

