

The background features a dense arrangement of overlapping spheres in various shades of blue and purple, creating a 3D effect. A white rounded rectangle is centered on the page, framing the text.

# Nervous system

Nadon 512 #11

Pudit 512 #22

# What is nervous system



The nervous system is a complex collection of nerves and specialized cells known as neurons that transmit signals between different parts of the body. It is essentially the body's electrical wiring.

# NERVOUS STRUCTURE

## CENTRAL NERVOUS SYSTEM

Which the central nervous system is made up of the brain, spinal cords and nerves.



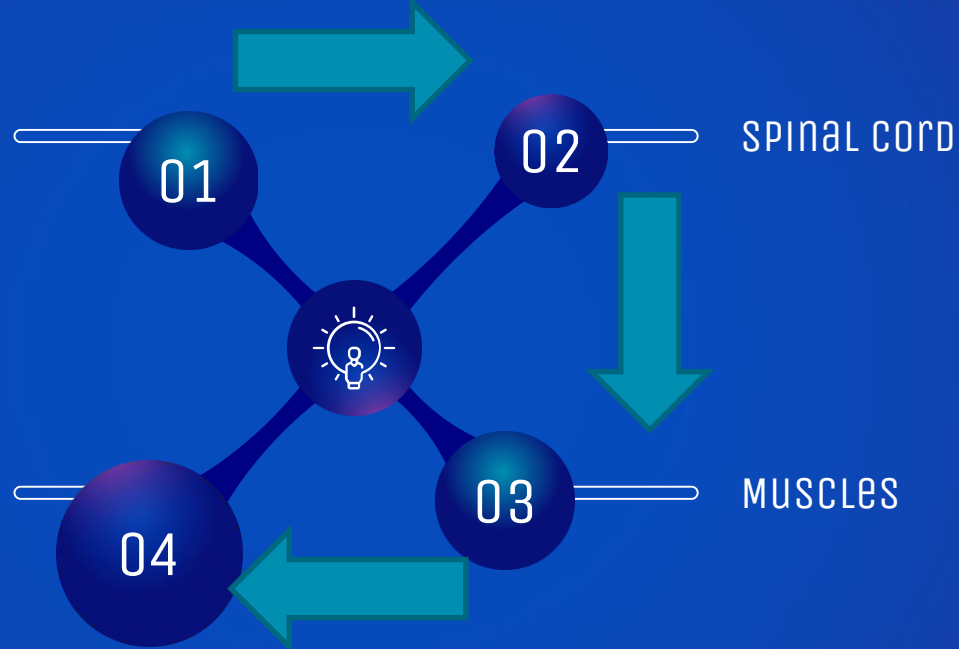
## PERIPHERAL NERVOUS SYSTEM

The peripheral nervous system consists of sensory neurons, ganglia (clusters of neurons) and nerves that connect to one another and to the central nervous system.



# FUNCTION OF SOMATIC SYSTEM

CONSISTS OF NERVES  
THAT CONNECT THE  
BRAIN



SENSORY RECEPTORS  
IN THE SKIN

SPINAL CORD

MUSCLES

# FUNCTION OF AUTONOMIC NERVOUS SYSTEM

REGULATES CERTAIN  
BODY PROCESSES

01



02

BLOOD PRESSURE

03

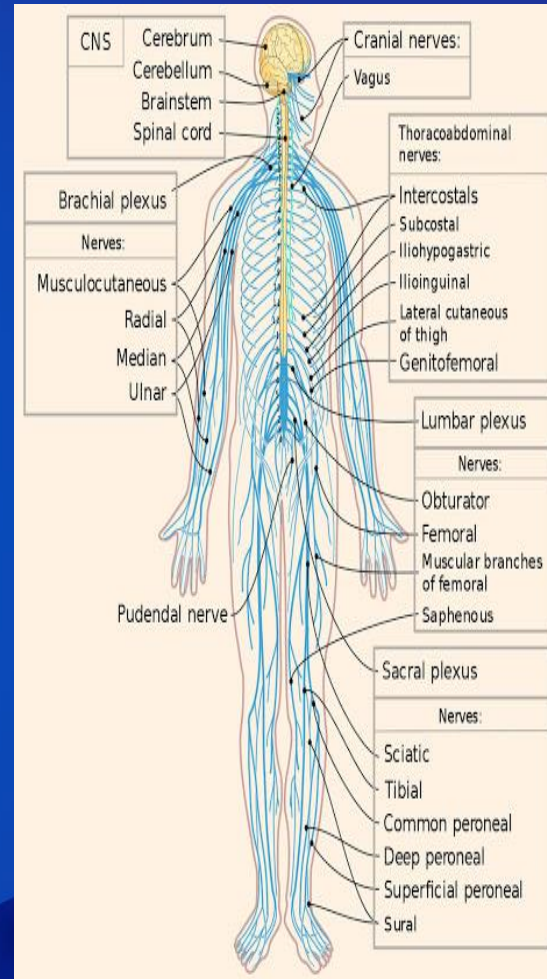
RATE OF BREATHING

The background features a complex, abstract molecular structure composed of numerous spheres of varying sizes, connected by thin lines. The color palette is a gradient of deep blues and purples, with some spheres appearing to glow or have a light blue tint. The overall effect is that of a microscopic or molecular view, possibly representing a neural network or a complex biological structure.

# NERVOUS TISSUES

# NERVOUS TISSUE

Nervous tissue is the term for groups of organized cells in the nervous system, which is the organ system that controls the body's movements, sends and carries signals to and from the different parts of the body, and has a role in controlling bodily functions such as digestion.



# TYPES



## NEURONS

Neurons are cells that can transmit signals called nerve impulses, or action potentials.



## NEUROGLIA

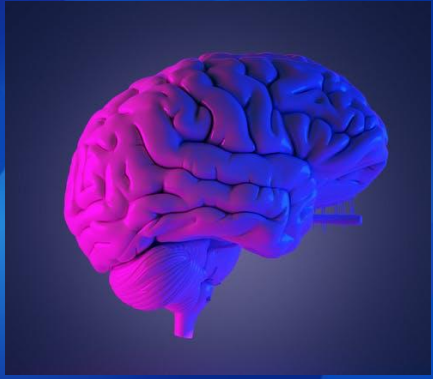
Neuroglia are cells that support neurons, supply them with nutrients, and get rid of dead cells and pathogens such as bacteria



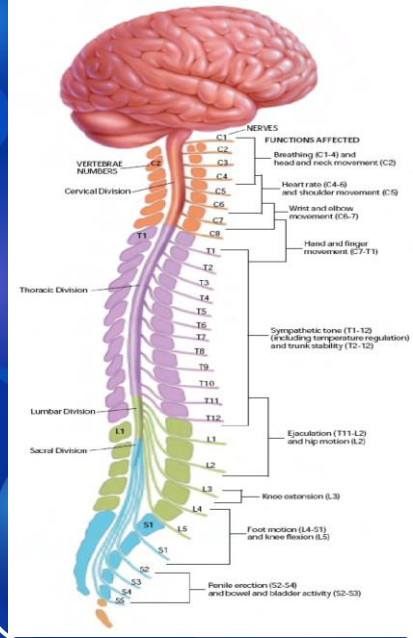


# MAJOR CAVITIES OF THE NERVOUS SYSTEM

## BRAIN



## SPINAL CORD



## NERVOUS SYSTEM IN REAL LIFE

Central nervous such as the brain is like a computer that controls all body function and the nervous is like at network that send the message to the rest of the body.



Only a few multicellular organisms have no nervous system. The body couldn't work this well or we couldn't evolve to this civilized organism.

Interesting fact is sponge didn't have any nerve but they still have genes code the PDS.



## FUN FACT

- There are more nerve cells in the human brain than there are stars in the Milky Way.
- If we lined up all the neurons in our body it would be around 965 km long.
  - There are 100 billion neurons in your brain alone.

## RESEARCH RESOURCES

- <https://www.livescience.com/22665-nervous-system.html>
- <https://biologydictionary.net/nervous-tissue/>
- <https://kidshealth.org/en/teens/brain-nervous-system.html>
- <https://m.health24.com/Lifestyle/Healthy-Nerves/10-fun-facts-about-the-nervous-system-2016021>
- <https://images.app.goo.gl/xanYx38317vhJMFx9>
- <https://images.app.goo.gl/d6sXw2Yk4nqeX7wz9>
- <https://images.app.goo.gl/yyU3Wynr3picbvsJ9>

