

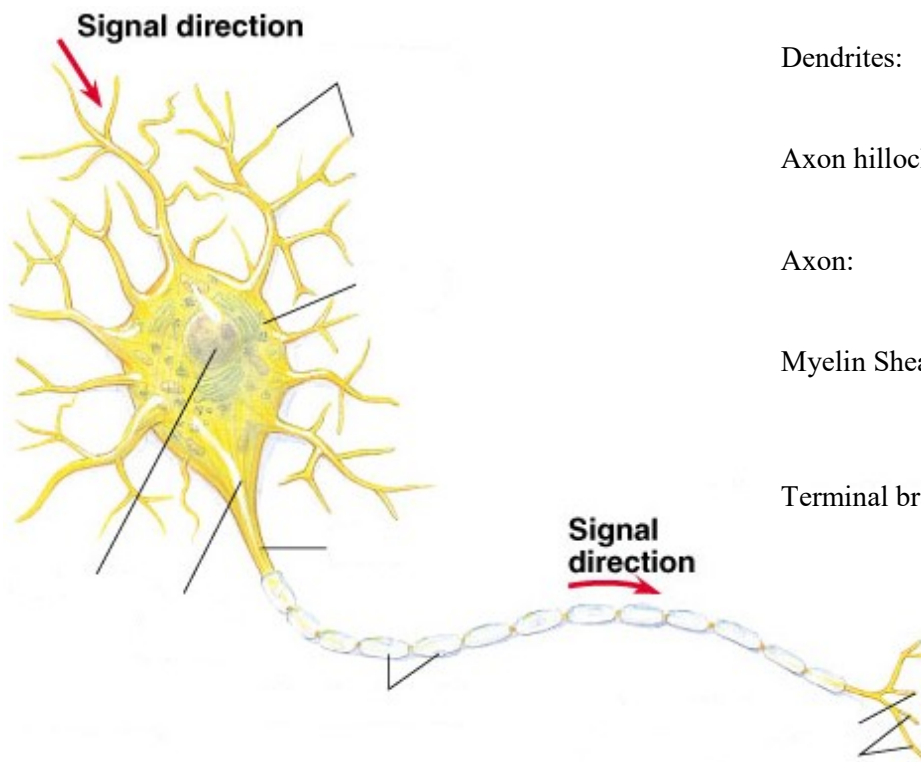
# The Nervous System

In order to survive and reproduce an organism must respond \_\_\_\_\_ and \_\_\_\_\_ to environmental stimuli in order to send the “\_\_\_\_\_” messages at the “\_\_\_\_\_” time to the “\_\_\_\_\_” places.

The nervous system provides a “\_\_\_\_\_” communication system so the organism can quickly respond to internal and external stimuli.

## The Neuron

- Neuron = \_\_\_\_\_
- Functional unit of the nervous system



Dendrites:

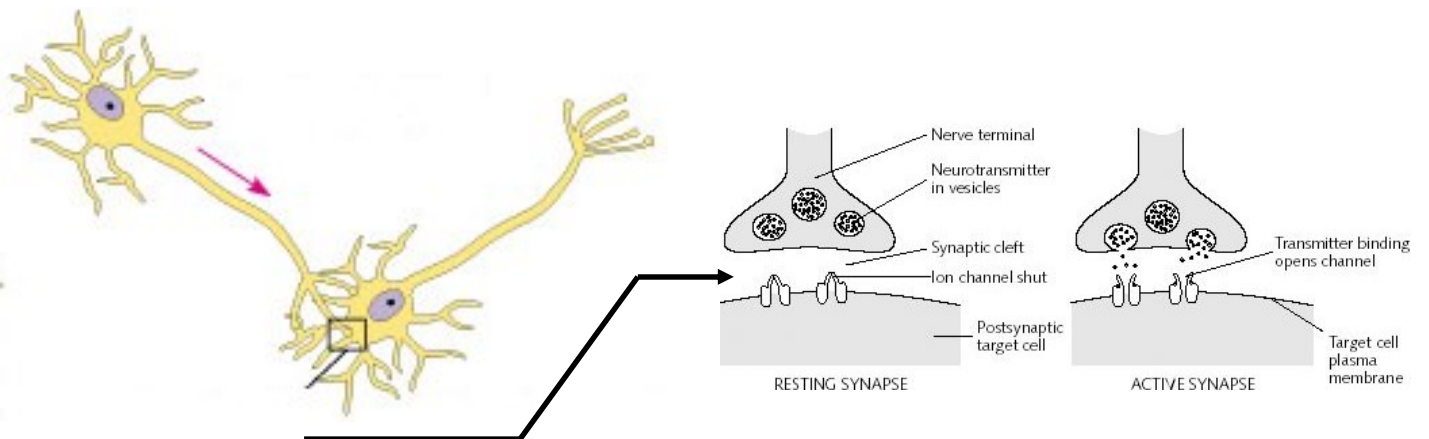
Axon hillock:

Axon:

Myelin Sheath:

Terminal branches:

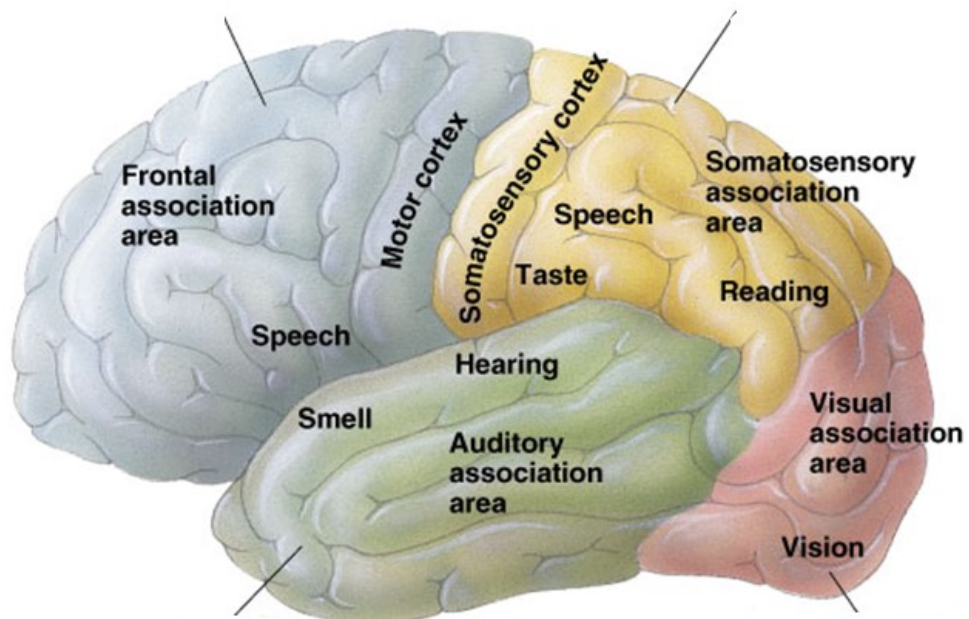
## Communication occurs between neurons



3 overlapping functions of the Nervous System:

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_

The brain ... specifically the cerebrum (left side)



Motor cortex:

Somatosensory cortex: