

Division of the nervous system and neural pathways

CNS (central nervous system)

- Brain
- Spinal cord

PNS (peripheral nervous system)

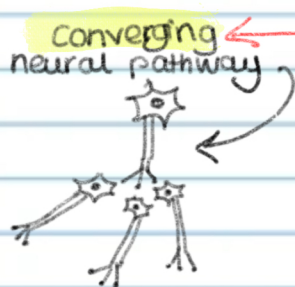
- somatic nervous system
- autonomic nervous system

The ~~somatic~~ ^{autonomic} nervous system has two parts.

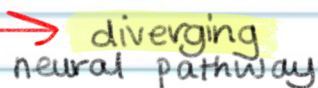
- Sympathetic systems
- Parasympathetic systems

These two systems are ~~agonist~~ ^{antagonistic} to each other, which means they do the opposite of each other.

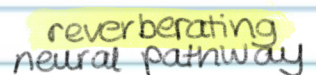
The sympathetic system speeds up heart rate and decreases peristalsis, intestinal secretions and ~~breathing rate~~. **Breathing rate increases.**



Impulses from one neuron travel to several neurons so affecting more than one destination at the same time.



Impulses from several neurons to one neuron, this ~~decreases~~ ^{increases} sensitivity to excitatory and inhibitory signals.



Neurons later in the pathway link with earlier neurons. Allows repeated stimulation of the pathway.