PERIPHERAL NERVOUS SYSTEM

NERVES

Collection of axons or dendrites or both is called nerve.

CRANIAL/CEREBERAL NERVES → Originates from Brain — 12 Pairs (24 Nerves) — Head, Neck, Facial

- SENSORY NERVES (I, II, VIII) (Receptor → CNS)
- MOTOR NERVES (III, IV, VI, XI, XII) (CNS → Effector)
- MIXED NERVES (V, VII, IX, X) (Two way communication)

SPINAL NERVES → Originates from spinal cord — 31 Pairs (62 Nerves)

- MIXED NERVES (Two way)

Mixed Nerve

SOMATIC N. SYSTEM (Concious Activities)
- Skin, Skeletal Muscles.

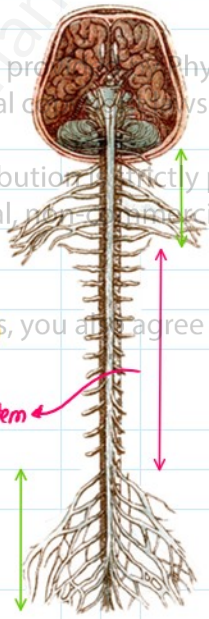
AUTONOMIC N. SYSTEM (Involuntary Activities)
- SYMPATHETIC
- PARASYMPATHETIC

SYMPATHETIC N.SYSTEM

- Emergency Functions
- Eyes (Pupil dilation)
- Salivary glands ↓↓
- Heart (72 x ↑↑)
- Lungs (Bronchi dilate)
- Peristalsis (↓↓)
- Gastric Juice (↓↓)
- Liver (Bile Juice) (↓↓)
- Bladder (Inhibit contraction)

PARA-SYMAPTHETIC N.SYSTEM

- Normal Functions
- Eyes (Constriction)
- ↑↑ (Saliva)
- Normal (72 x per minute)
- Bronchi constricts
- Peristalsis (↑↑)
- Gastric Juice (↑↑)
- Bile Juice (↑↑)
- Bladder (Contraction)



Thoracic Region Near Spinal cord	ORIGIN POSITION OF GANGLION	Sacral Region + vagus Nerve Near Effectors
↓↓	PRE-GANGLIONIC FIBER	↑↑
↑↑	POST-GANGLIONIC FIBER	↓↓

Near Spinal cord Position of Ganglion Near Effectors

↓↓ PRE-GANGLIONIC FIBER ↑↑

↑↑ POST-GANGLIONIC FIBER ↓↓

- Fear, Flight, Fright — Rest conditions