

Objectives

1. Explain the function and the division of Autonomic Nerves
2. Explain the mechanism of Autonomic Nerves Control
3. Explain the characteristics of Parasympathetic and sympathetic nerves
4. Explain Autonomic reflex



ANS

- Autonomic Nerve Pathway

- Extends from CNS to an Innervated organ

- Two neuron chain

- Preganglionic fiber (synapses with cell body of second neuron)

- Postganglionic fiber (innervates effector organ)



Sympathetic Nervous System	Parasympathetic Nervous System
Fibers originate in thoracic and lumbar regions of spinal cord	Fibers originate from cranial and sacral areas of CNS
Most preganglionic fibers are short	Preganglionic fibers are longer
Long postganglionic fibers	Very short postganglionic fibers
Preganglionic fibers release acetylcholine (Ach)	Preganglionic fibers release acetylcholine (Ach)
Most postganglionic fibers release noradrenaline (norepinephrine)	Postganglionic fibers release acetylcholine

