

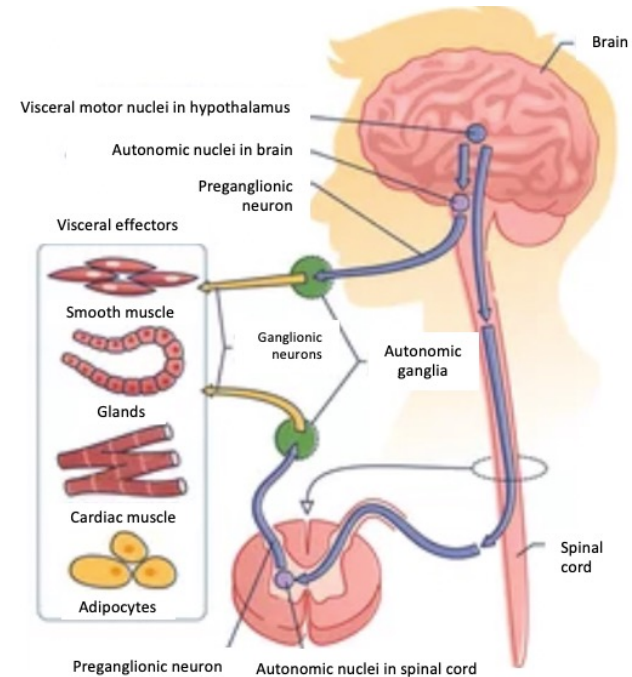
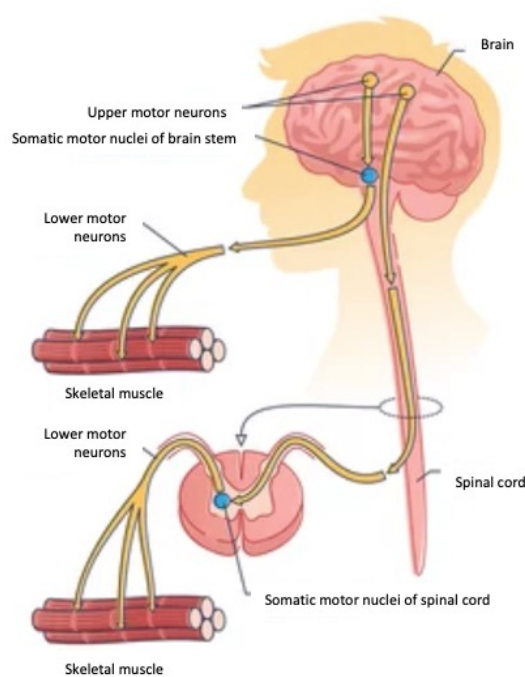
Module 14 LO1

Compare and contrast the somatic and autonomic nervous systems

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1. Comparing Somatic and Autonomic NS



Somatic Nervous System

Autonomic Nervous System

Afferent sensory information processed in the central nervous system

Efferent impulses sent to effector organs

Afferent pathways originate in skeletal muscles

Afferent pathways originate in visceral receptors

Efferent pathways connect to skeletal muscles

Efferent pathways connect to visceral effector organs

Presence of nuclei within CNS

Presence of ganglia within PNS

Upper and lower motor neurons

Pre- and post-ganglionic neurons

Autonomic Nervous System

- Subdivision:
 - Sympathetic
 - Thoracolumbar division
 - Fight-or-flight
 - Parasympathetic
 - Craniosacral division
 - Rest-and-digest
 - Enteric
 - Located in the digestive system

