

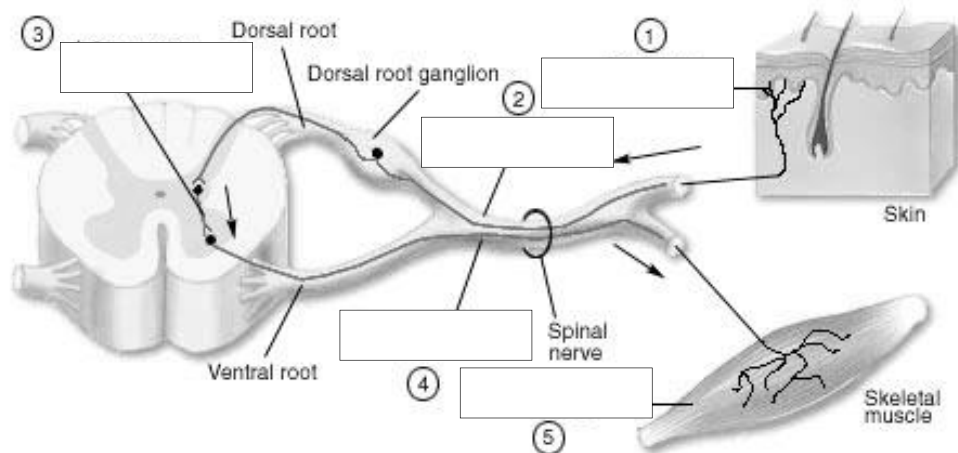
Peripheral Nervous System

NOTES

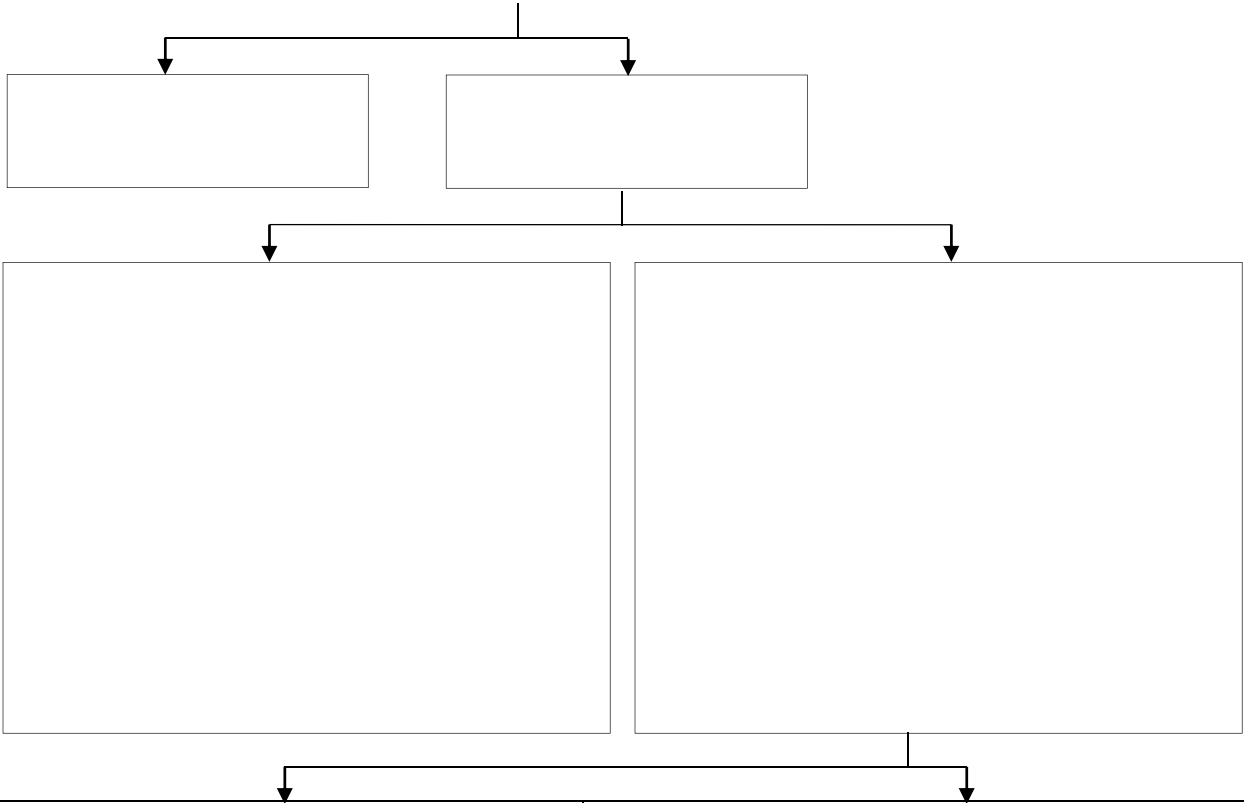
A. Reflex Arc

The peripheral nervous system (PNS) is composed of _____ and _____.
 Nerves are bundle of _____ (referred to as _____). Sensory fibers carry information _____ the central nervous system (CNS) and motor fibers carry messages _____ the CNS. Some cranial nerves and all spinal nerves contain BOTH sensory and motor fibers and are referred to as _____.

The basic functional unit of the nervous system is the _____. It usually involves all three types of neurons. A _____ (1) is a sensory nerve ending that responds to _____ in the internal or external environment of an organism (e.g. _____, _____, etc). Once a minimum _____ is reached, an impulse is sent along the dendrite of the _____ (2) to the cell body, onto the axon and into the CNS to make a connection with the dendrite of the _____ (3). This dendrite takes the impulse past the cell body of the interneuron to its axon. From there it makes a connection with the dendrite of the _____ (4). The impulse is conducted through the cell body of the motor neuron and out its axon to the _____ (5) that causes the response. The effector could be a _____ (causing movement) or a _____ (resulting in a secretion). The _____ is not involved with reflexive actions as their advantages lies in the fact that the responses occur suddenly, without any thought processes. Reflexive actions are _____ mechanisms. Other interneurons will conduct impulses to the brain to alter the _____ mind that a reflexive action took place.



B. Organization of the Peripheral Nervous System



Sympathetic Division	Parasympathetic Division
Brings about those responses we associate with...	Brings about the responses we associate with...
12 specific things it does to the body <ul style="list-style-type: none"> • • • • • • • • • • • • 	10 specific things it does to the body <ul style="list-style-type: none"> • • • • • • • • • •
Neurotransmitter	Neurotransmitter

C. Neuroendocrine Control Center

D. Source Gland for Adrenaline
