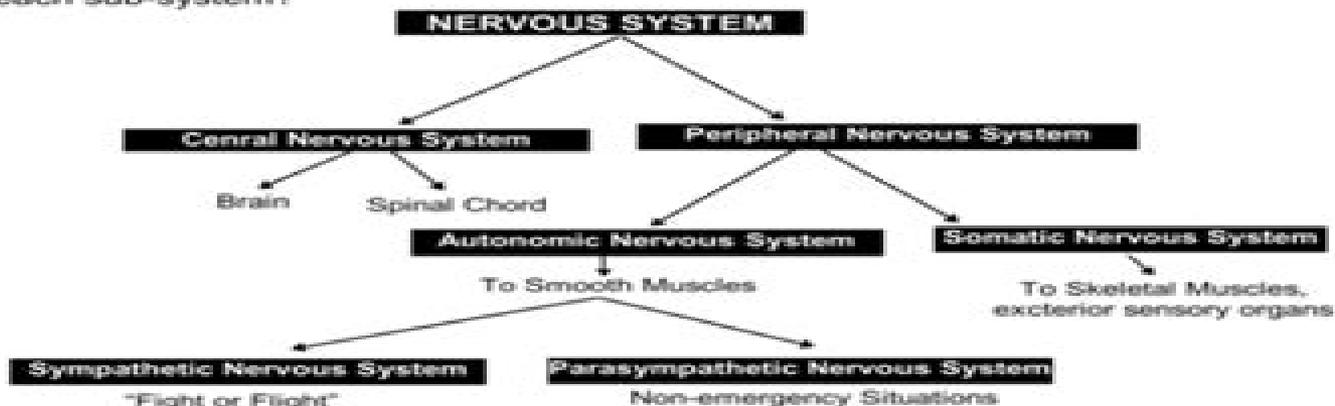


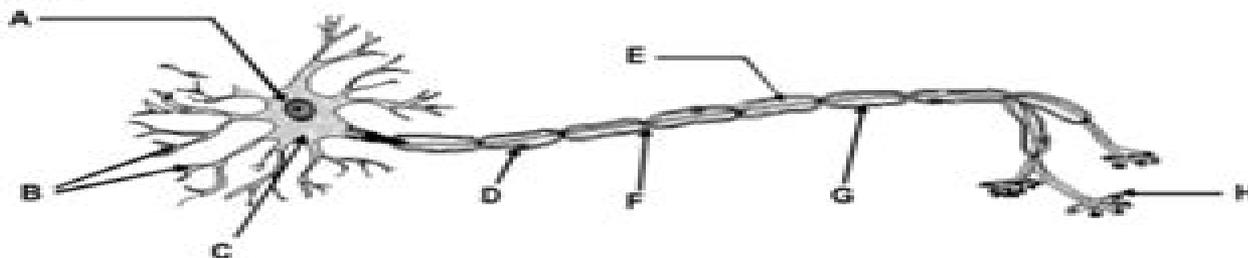
## Biology 12 - The Nervous System Study Guide

1. Explain how the nervous system is divided into sub-systems. What is the main function of each sub-system?



2. Draw and label a simple motor neuron and state the function of each labelled part.

See Notes



3. What are the three types of neurons? Describe each and state their function(s).

- **SENSORY NEURON:** ( *afferent* neuron) - takes a message from a sense organ to CNS. has long dendrite and short axon
- **MOTOR NEURON:** ( *efferent* neuron) - takes message away from CNS to a muscle fiber or gland. Short dendrites, long axon.
- **INTERNEURON:** ( *association neuron* or *connector neuron*): completely contained within CNS. Conveys messages between parts of the system. Dendrites, axons, may be long or short.

# Biology 12 The Nervous System Study Guide Answers

**Liyong Dong**



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