

How the Nervous System Works 15.1

Date _____

Last Name _____, First _____ period : ____

1. What is the title of this presentation? _____

2. Name and Describe the 2 divisions of the nervous system?

3. What are the 4 main functions of the nervous system?

- a. _____ information
 b. _____ information
 c. _____ information
 d. help maintain _____

4. Complete the table. Describe the 5 senses, sense organs, and the information each sense organ receives from the environment.

Organ	Sense	Information
EYE	SIGHT	
	HEARING	SOUND
NOSE		AIR BORN MOLECULES
TONGUE	TASTE	

5. What is a stimulus?

A _____ is a change or _____ in the environment that triggers a _____.

6. The scent of a lemon can cause the mouth to water. What is the stimulus? What is the response?

Stimulus is _____

Response is _____

7. True or false? The nervous system only receives information from the outside environment. _____

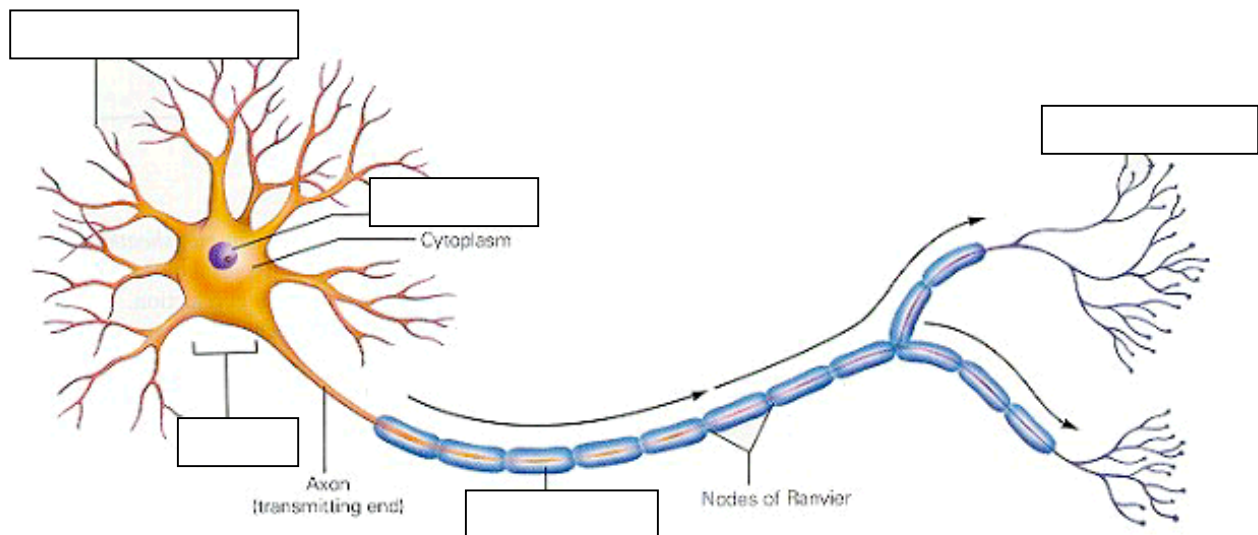
8. Give an example of how the nervous system maintains homeostasis? _____

9. What is a neuron?

- a. A _____ is a specialized _____ that _____ a message in the form of an electrical _____
10. What is a nerve impulse?
- a. A _____ is an electrical _____ that travels through a _____.
11. What is a nerve fiber?
- A _____ is a _____ of _____ cells that carry an impulse through the nervous system.
12. What is a nerve? _____
13. Label the parts of a neuron

THE MAJOR STRUCTURES OF THE NEURON

The neuron receives nerve impulses through its dendrites. It then sends the nerve impulses through its axon to the terminal buttons where neurotransmitters are released to stimulate other neurons.



14. What are the three kinds of neurons?
- a. _____
- b. _____
- c. _____
15. What is the function of a sensory neuron? _____ connected to _____ fire when _____.

