

Name: _____ Date: _____

Period: _____ Do Now# 3.7 Homework: 3.7

Aim: How does the central nervous system maintain homeostasis?

Vocabulary: (10)

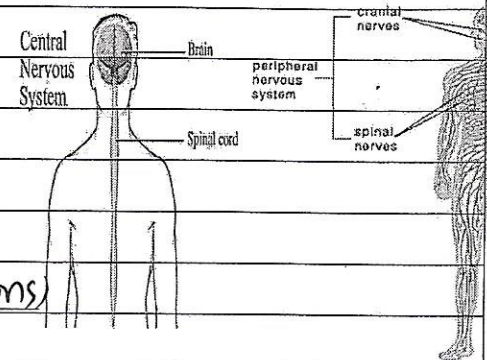
1. CNS	3. brain	5. cerebellum	7. spinal cord	9. reflex arc
2. PNS	4. Cerebrum	6. medulla	8. reflex	10. meninges

How is the Nervous System divided?

1. Central Nervous System
2. Peripheral Nervous System

What are the parts of the Central Nervous System?

a. Brain (a large mass of neurons)
b. Spinal cord

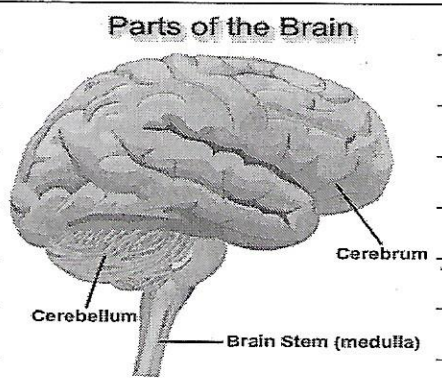


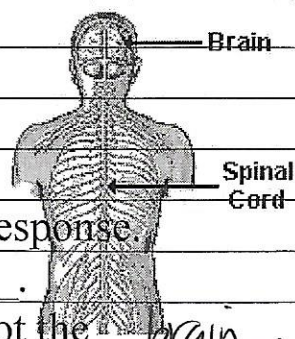
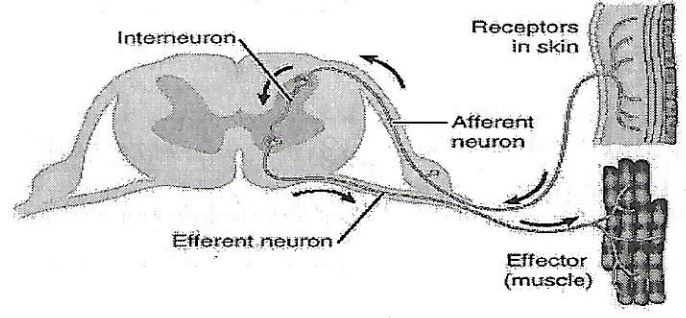
What are the 3 main parts of the brain?

1. Cerebrum
 ✓ Largest part of the brain.
 ✓ Memory, learning, reasoning, Voluntary activities and sensing
 ✓ Divided into left hemisphere and Right hemisphere.

2. Cerebellum
 ✓ Maintains balance and coordination of muscle activities.

3. Medulla Oblongata
 ✓ Controls breathing, heartbeat, blood circulation and blood pressure
 ✓ Controls involuntary activities.
 ✓ Connects the brain to the spinal cord.



Questions/Main Ideas:	Notes:
What is the function of the SPINAL CORD ?	✓ Connects the <u>brain</u> to the different parts of the body. ✓ Coordinates <u>reflex</u>
What is a reflex ?	✓ Simple, inborn, <u>automatic</u> response. ✓ Does not involve <u>thinking</u> . ✓ Controlled by the <u>spinal cord</u> not the <u>brain</u> . ✓ Follows a pathway called the <u>reflex arc</u>
	  <p style="text-align: center;">Reflex Arc</p>
Ask the teacher!	
What is the pathway of reflex?	<u>Receptor</u> → <u>sensory neuron</u> → <u>interneuron</u>
Give examples of reflexes ?	<u>effector</u> ← <u>motor neuron</u>
What are meninges ?	✓ Membranes that <u>surround</u> and <u>protect</u> the <u>brain</u> and spinal cord.

Summary: 2 points

The organelle in the cell that acts as a brain is the

The importance of the medulla is

Reflexes are

The CNS can maintain homeostasis by