



## **THE NERVOUS SYSTEM**

### **TD N°1**

#### **exercises**

## Exercise 1

### Fill in the blanks with the appropriate words.

Nervous tissue is composed of .....types of cells, ..... and ..... cells.

Neurons are the primary type of cell that most anyone associates with the nervous system. They are responsible for the computation and ..... that the nervous system provides. They are ..... active and release chemical ..... to target .....

Glial cells are known to play a .....role for nervous .....Neurons are important, but without glial ..... they would not be able to perform their .....

## Exercise 2

### A- Find to each word from column A its appropriate definition from column B

1 /

6 /

2 /

7 /

3 /

8 /

4 /

9 /

5 /

10 /

A	B
1- BRAIN	<b>a-</b> neural tissue cell that is primarily responsible for generating & propagating electrical signals
2- NERVE	<b>b-</b> single process of the neuron that carries an electrical signal away from the cell body toward a target cell
3- AXON	<b>c-</b> lipid-rich insulating substance surrounding the axons of many neurons
4- NEURON	<b>d-</b> organ of the central nervous system found within the vertebral cavity
5- SPINAL CORD	<b>e-</b> the large organ of the central nervous system.
6- CEREBELLUM	<b>f-</b> one of the various types of neural tissue cells responsible for supporting neurons.
7- SYNAPSE	<b>g-</b> one of many branchlike processes that extends from the neuron cell body.
8- DENDRITE	<b>h-</b> narrow junction across which a chemical signal passes from neuron to the next.
9- MYELIN	<b>i-</b> cord like bundle of axons located in the PNS that transmits sensory input and response output to & from the CNS.
10- GLIAL CELL	<b>J-</b> is a fist-sized portion of the brain located at the back of the head, below the temporal and occipital lobes and above the brainstem.

**B- Translate into french each term from column A**

### **Exercise 3: QUIZ**

**1- This system controls everything you do:**

- A) Nervous system
- B) Olfactory system
- C) Respiratory system
- D) Endocrine system

**2- Without the nervous system, you couldn't:**

- A) Walk
- B) Breathe
- C) Think
- D) All of the above

**3- The nervous system is made up of these three parts:**

- A) Brain, heart, and spinal cord
- B) Brain, spinal cord, and nerves
- C) Nerves, arteries, and veins
- D) Nerves, liver, and heart

**4- Which part of the body is the control center for the nervous system?**

- A) Spinal cord
- B) Stomach
- C) Brain
- D) Heart

**5- A typical brain weighs how much?**

- A) 3 pounds (1.4 kilogrammes)
- B) 3 ounces (85 grammes)
- C) 3 tons (2.7 metric tons)
- D) 3 kilograms (6.6 pounds)

**6- What is the biggest part of the brain?**

- A) Brain stem
- B) Think tank
- C) Cerebrum
- D) Cerebellum

**7- Which part of the brain helps keep your balance so you don't fall flat on your face?**

- A) Cerebellum
- B) Medulla oblongata
- C) Pituitary gland
- D) Spinal cord

**8- Which part of the brain keeps you breathing?**

- A) Breathe-o-meter
- B) Brain stem
- C) Pituitary gland
- D) Cerebellum

**9- The brain creates connections, or pathways, between these microscopic cells:**

- A) Blood cells
- B) Tiny cell phones
- C) Brain tissues
- D) Neurons

**10- Your emotions are believed to come from the:**

- A) Cerebellum
- B) Medulla oblongata
- C) Amygdala
- D) Heart