

## NERVOUS SYSTEM

### 1.- Listen and check

- a) the cerebellum is part of the.....
  - b) the cerebellum controls ....., ..... and .....
  - c) the cerebrum is made up of ..... and .....
- grey matter:** this is made up of neurons and dendrites  
**white matter:** this is made up of neurons fibres (axons) covered in myelin
- d) the cerebral cortex is.....  
.....

### 2.- Are the following statements true or false? Correct the false statements

- 1. Spinal nerves are motor nerves
- 2. The cerebrum co-ordinates muscle movements
- 3. The spinal cord produces voluntary actions
- 4. The two different parts of CNS are grey matter and black matter

### 3.- Which nervous system is responsible for the following list of actions? S (for sympathetic) or P (for parasympathetic)

- 1. stimulates salivation
- 2. accelerates heart rate
- 3. relaxes the bladder
- 4. constrict bronchi
- 5. speeds up digestive process
- 6. dilates pupil

### 4.- Answer these questions:

- 1. Which neurons are involved in a reflex action?
- 2. Which part of the nervous system has an important role in voluntary actions?
- 3. Which part of the body has a key role in reflex actions?
- 4. Which is quicker: a reflex or a voluntary action? Why?

### 5.- Are these voluntary or reflex actions?

- 1. Putting one foot forward when you are about to lose your balance.
- 2. Sitting down
- 3. Reading a book
- 4. Closing your eyelids when someone throws something at you