**Task 5 The four lobes of the cerebrum and their functions**

1 Before reading anything else, try to make a definition of what is the cerebrum completing this sentence

The cerebrum is, **one part of the nervous system which is in charge of** \_\_\_\_\_\_\_\_\_

2 Look at the following image and review what you wrote in your original sentence:



1. Where would you place the cerebrum in this image?
2. Which process of the image did you implicitly refer to in your definition?
3. Why was this definition incomplete?
4. With the above image try to make **a new definition** of what is the cerebrum

The cerebrum is, **one part of the nervous system which** \_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3 According to what you have learnt in activity 1, say if these sentences are true or false **and correct the false ones**.

The encephalon belongs to the CNS because it is in charge of detecting external signals.

The CNS is the encephalon

The CNS is the encephalon plus the spinal cord

The brain belongs to the encephalon but it is not just the same

The encephalon is a synonymous to name the brain

The PNS are an array of nerves that connect the CNS to the effectors (for instance, the muscles)

The sensory receptors are the eyes

4 In task 2, section 4.3 you had a look to the lateral perspective of the encephalon

1. Try to match the names of the four lobes with their numbers below

**Occipital Temporal Frontal Parietal**



1. Look at the image below, and complete the table under it:



|  |  |
| --- | --- |
| Region of the encephalon | Function/s |
| \_\_\_\_\_\_\_\_ lobe |  |
| \_\_\_\_\_\_\_\_ lobe |  |
| \_\_\_\_\_\_\_\_ lobe |  |
| \_\_\_\_\_\_\_\_ lobe |  |
| Cerebellum |  |
| Medulla oblongata |  |

1. With the above activities try to write an essay about the encephalon, the cerebrum, its four lobes and the functions of each region of the encephalon following this writing frame.

**The encephalon has** \_\_\_\_\_\_\_\_ regions: the \_\_\_\_\_\_\_\_\_, the \_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_.

* The \_\_\_\_\_\_\_\_\_\_ **is responsible for the control of** the *heart rate*, **as well as** \_\_\_\_\_\_\_\_\_
* The \_\_\_\_\_\_\_\_ is **responsible for** movement coordination.
* **On the other hand**, the \_\_\_\_\_\_ has four regions, also called the \_\_\_\_\_\_\_\_
1. The \_\_\_\_\_\_\_\_\_ **is the part of the brain** (cerebrum) **that we have on top of our face.**

The \_\_\_\_\_\_\_ **has several functions**, **among them we can distinguish** \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_

**On the above image**, the \_\_\_\_\_\_\_\_ **is painted in** \_\_\_\_\_\_\_\_\_

1. **At the back of the brain**, **we find the** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The principle function of** the \_\_\_\_\_\_\_\_\_\_\_\_\_ **is related to** \_\_\_\_\_\_\_\_\_\_\_\_\_

On the above image, the \_\_\_\_\_\_\_\_\_\_\_ is painted in \_\_\_\_\_\_\_\_\_\_\_\_

1. The \_\_\_\_\_\_\_\_ is the lobe **that can be found along the** lateral perspective

The \_\_\_\_\_\_\_\_\_\_\_ **has many functions, such as** \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_

On the above image, **we can see that there are different colours for the \_\_\_\_\_:** \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_

1. **Finally, around the ear**, it is found the \_\_\_\_\_\_\_\_\_\_.

The \_\_\_\_\_\_\_\_\_\_\_ **is in charge of** \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_

On the above image, the \_\_\_\_\_\_\_\_\_ is painted in \_\_\_\_\_\_\_\_ and in \_\_\_\_\_\_\_\_\_

1. Complete the table with the expressions in bold

|  |  |
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| Expression | Translation |
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1. Which of them are new to you? Make a list
2. Which of the new ones you think you can most easily incorporate to your language in use for another activity similar to this one?