

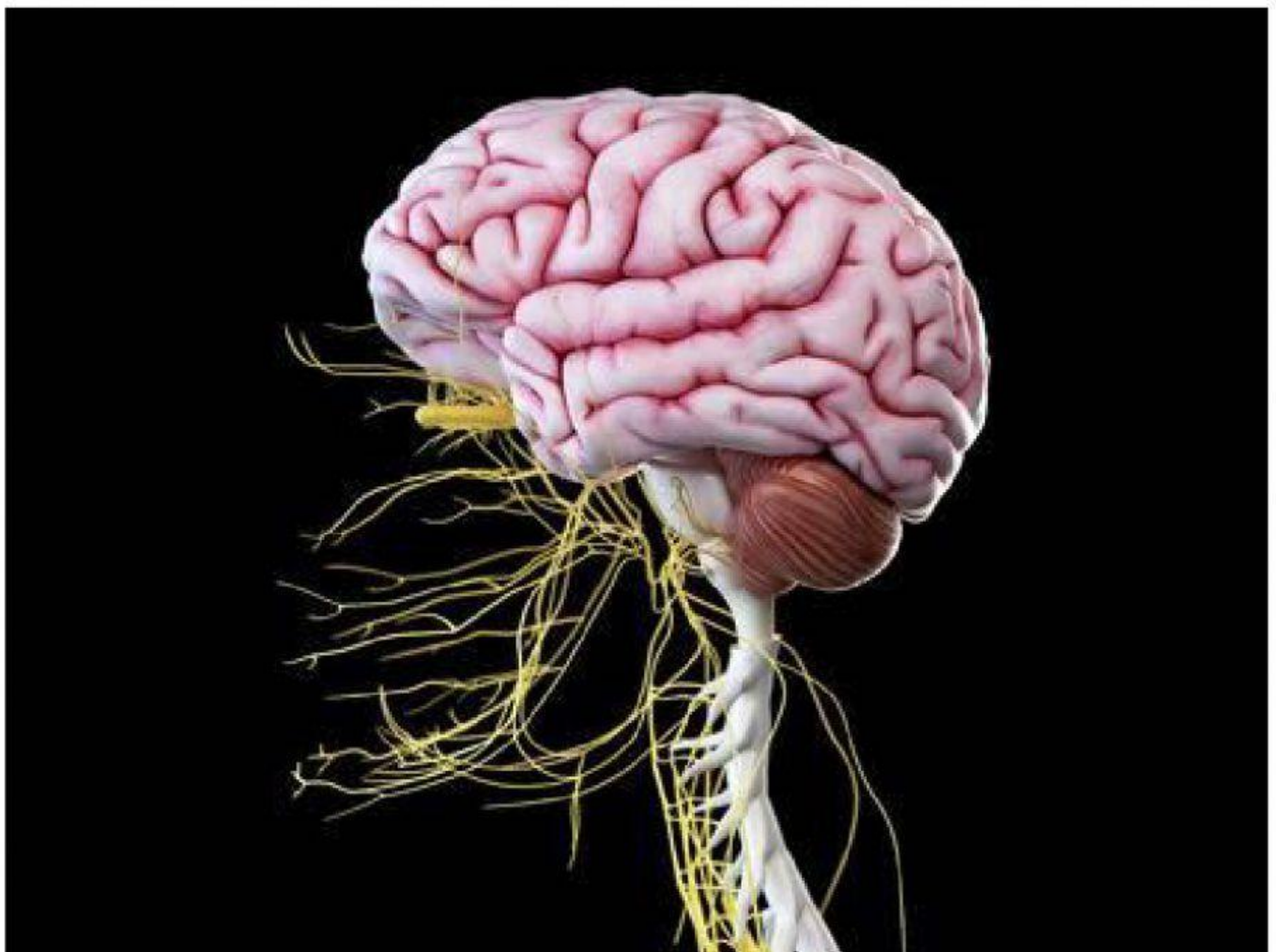
This mark will not be accurate – your mark will be given to you on EDMODO

Anatomy

Read these passages or listen to it

THE BRAIN

Your **brain** controls everything that happens in your body. Information, in the form of nerve impulses*, travels to and from the brain along the thick bundle of nerves in your spinal cord. The brain is the only organ that can make decisions about actions, based on past experience (stored information), present events and future plans.



INSIDE THE BRAIN

Your brain is made up of millions of neurons*. It is protected by the skull and cushioned by a thin layer of liquid called **cerebrospinal fluid**.

The brain has four main parts: the cerebrum, cerebellum, diencephalon and brain stem.

The **cerebrum** is the largest part of the brain. It controls most physical activities, and many mental activities, such as thinking and learning. It also controls the **cerebellum**, which in turn coordinates muscle movement and balance.

The **diencephalon** has two parts. The **thalamus** sorts impulses as they enter the brain, and directs them to other parts of the brain for processing. The **hypothalamus** plays a vital role in homeostasis*. It controls hunger, thirst, body temperature, and the release of hormones* from the pituitary gland.

The **brain stem** controls automatic functions, such as your heartbeat and breathing. It contains three parts: the **pons**, **medulla** and **midbrain**.

What is cerebrospinal fluid?

The brain has _____ main parts.

Name the main parts

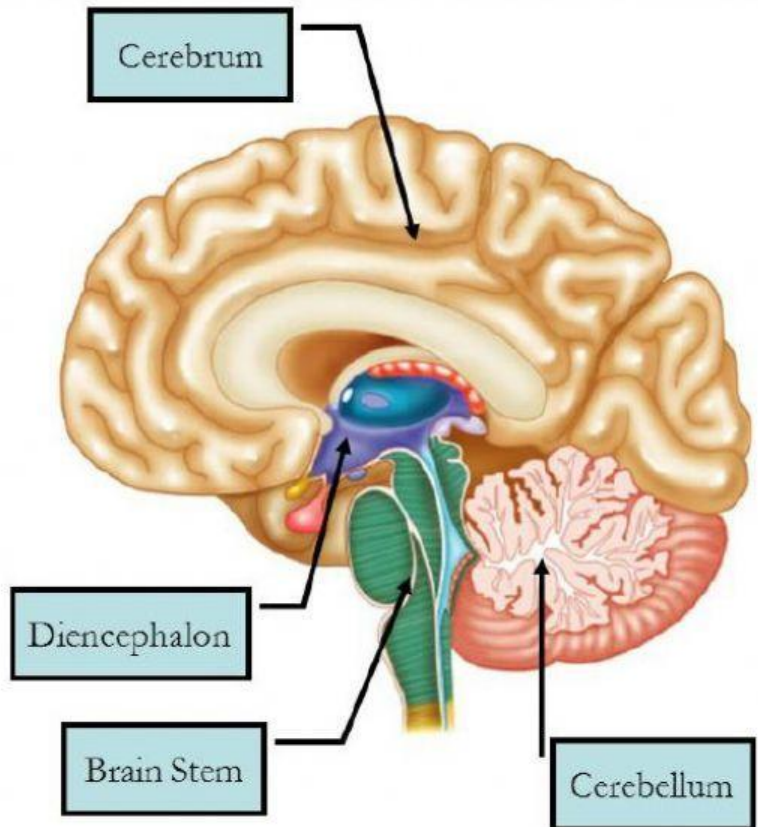
Which part is the largest? _____

What does the cerebellum control?

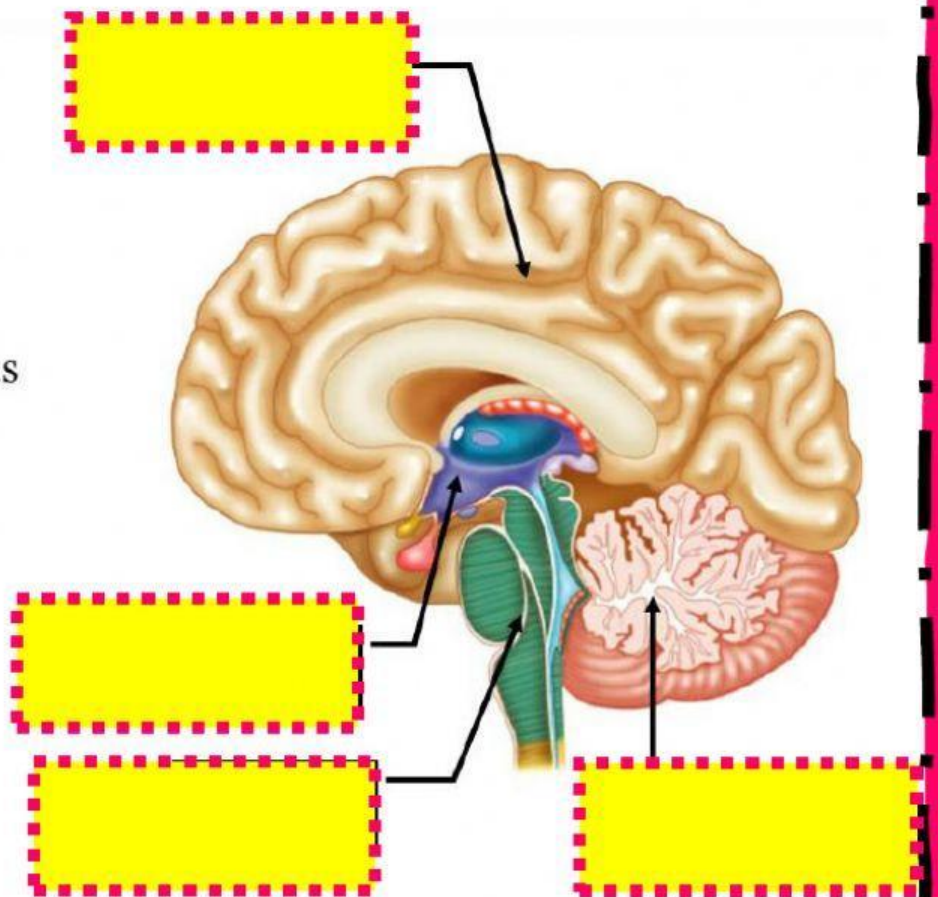
Name the two parts of the diencephalon.

What does the brain stem do?

1. Cerebrum
2. Diencephalon
 - a) Thalamus
 - b) Hypothalamus
3. Cerebellum
4. Brainstem
 - a) Medulla
 - b) Pons
 - c) Midbrain

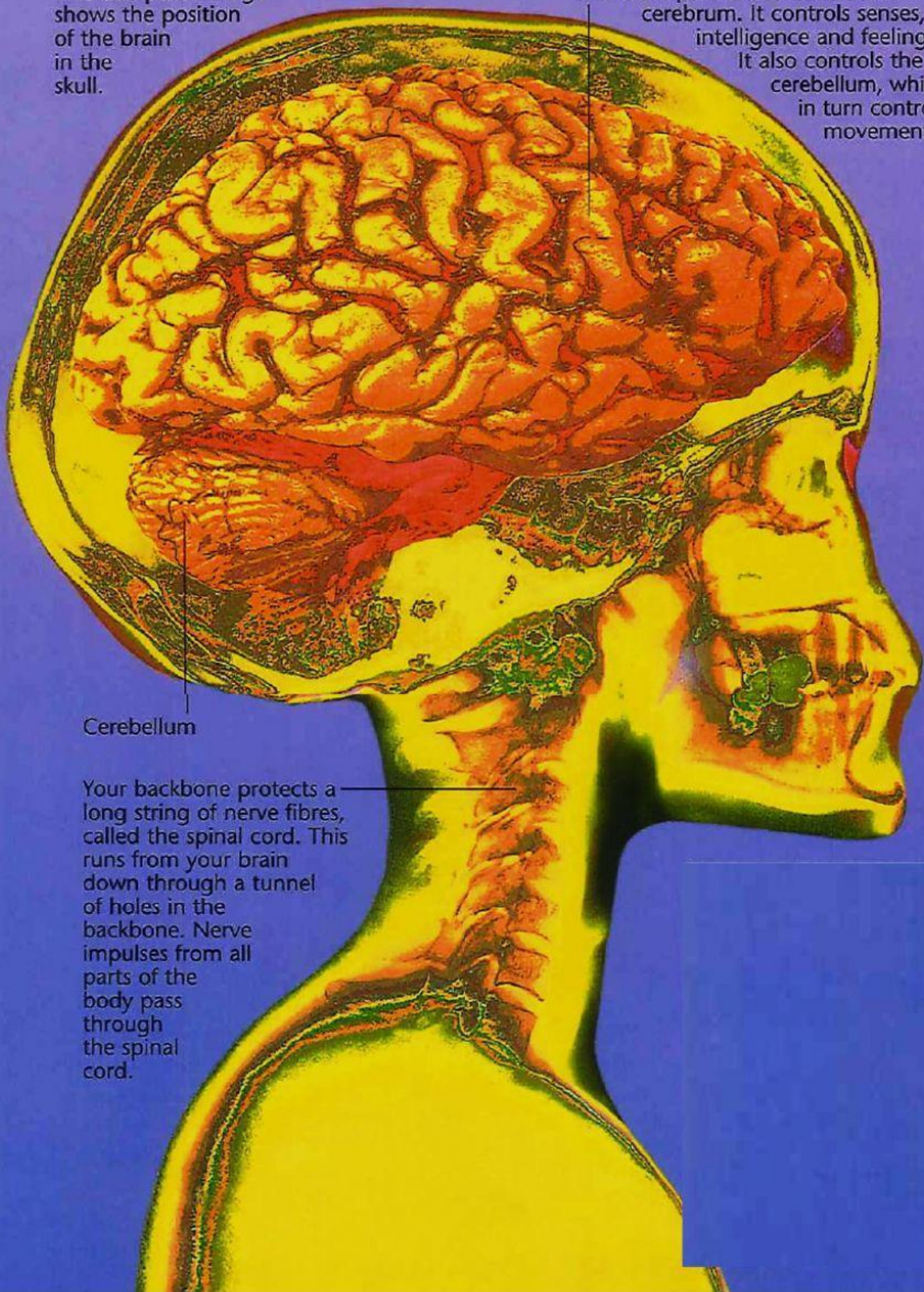


1. Cerebrum
2. Diencephalon
 - a) Thalamus
 - b) Hypothalamus
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This computer image shows the position of the brain in the skull.

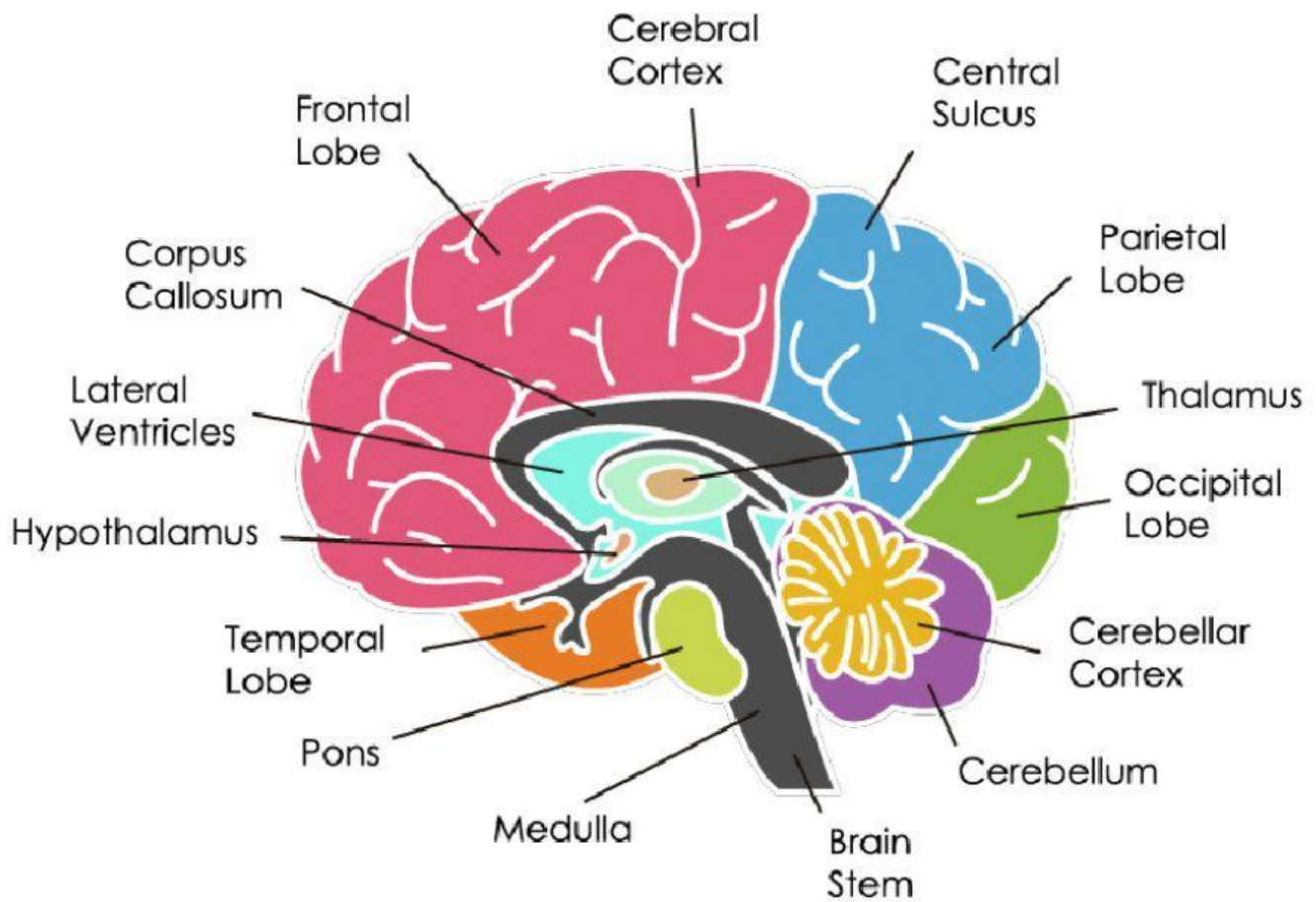
This main part of the brain is the cerebrum. It controls senses, intelligence and feelings. It also controls the cerebellum, which in turn controls movement.



Cerebellum

Your backbone protects a long string of nerve fibres, called the spinal cord. This runs from your brain down through a tunnel of holes in the backbone. Nerve impulses from all parts of the body pass through the spinal cord.

Why do we have a back bone?



**Draw ^{^this^} diagram on a paper and LABEL the brain
attach a photo on EDMODO**

**Write about what you remember:
(See if you can remember FIVE or more facts)**

Click here:

