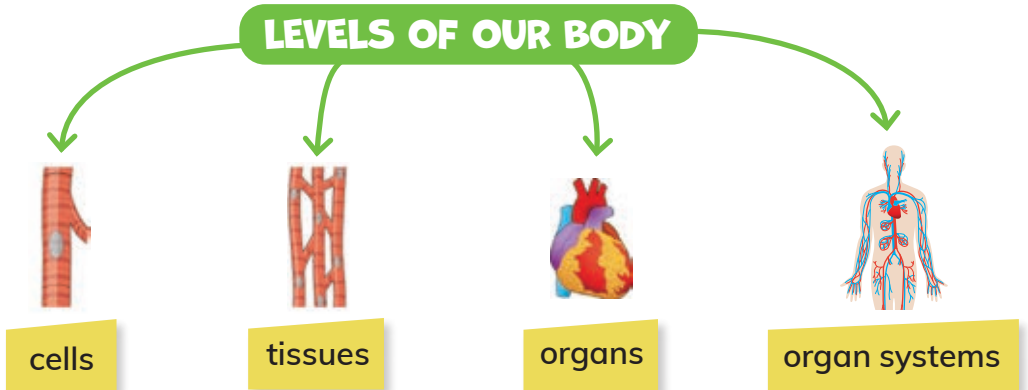


THE HUMAN BODY

The vital functions are **nutrition, interaction and reproduction.**

Cells are the basic units of life. Humans are **multicellular** organisms.

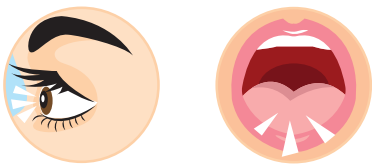
LEVELS OF OUR BODY



OUR INTERACTION WITH THE WORLD

Human interaction is our ability to detect and respond to information.

Our senses detect what's happening around us with the **receptors** in our **sense organs.**



Sensory nerves send the information to the **brain.** The brain interprets the information and responds.



Orders from the brain travel from the **nerves** to the **muscles or glands.**



OUR SENSES

We've got five **senses.** We detect external stimuli with the **sense organs.**

We see things because our **eyes** detect light.



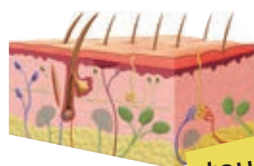
sight

We hear things because our **ears** detect sound waves in the air.



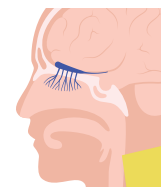
hearing

We feel things because our **skin** detects sensations, such as temperature, texture and pain.



touch

We can smell and taste things because our **nose** and **tongue** detect chemicals in the air and in our food.



smell and taste

OUR NERVOUS SYSTEM

The nervous system receives information from the sense organs.

It interprets the signals and controls the functions and movements of our bodies.

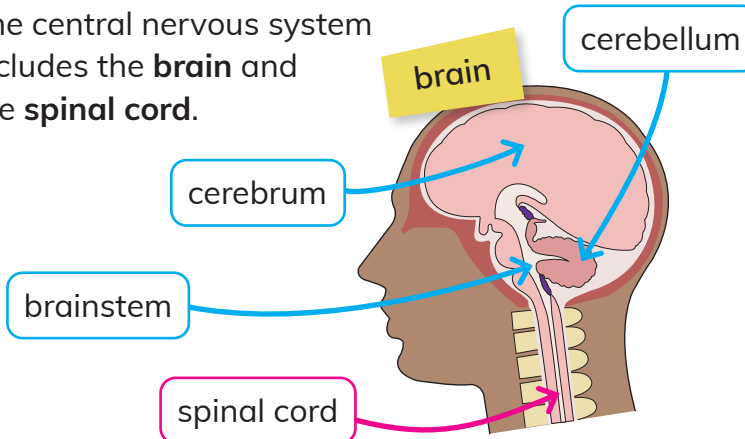
The nervous system is made of cells called **neurons**.



The peripheral nervous system has got three types of nerves: **sensory nerves**, **motor nerves** and **mixed nerves**.



The central nervous system includes the **brain** and the **spinal cord**.



OUR LOCOMOTOR SYSTEM

The skeletal system and the muscular system work together and form the **locomotor system**.

The skeletal system

The human skeleton gives the body shape and stability. It has:

- **Bones** (skull, humerus, spinal column, femur...).
- **Joints** (elbow, knee, ankle, shoulder...).
- **Ligaments** hold the bones and joints.



The muscular system

The human muscular system has got about 600 **muscles**.

- They can **contract** or **relax**.
- Muscles are **elastic**.
- **Tendons** attach skeletal muscles to bones.

