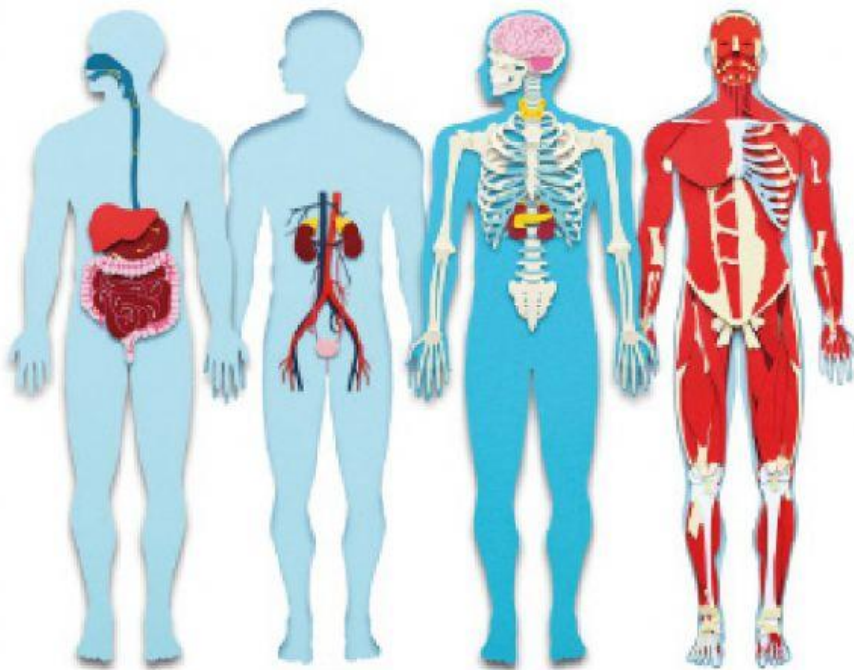


Human systems



1.- Have a look at these words and predict what it is the unit about.

Find the words. You can use your dictionary or a computer.

MAIN LANGUAGE

digestive		faeces	
circulatory		expel (verb)	
excretory		mix (verb)	
reproduction		oxygen	
respiratory		breathe	
digestion		carbon dioxide	
esophagus		trachea	
stomach		bronchial tubes	
small intestine		lungs	
large intestine		inhalation	
anus		expiration	
blood		ovaries	
heart		uterus	
blood vessels		vagina	
arteries		testes	
capillaries		penis	
veins		prostate	
waste		breasts	
kidneys softer		voice	
bladder		wide hips	
urethra brush		your teeth	
urine		do exercise	

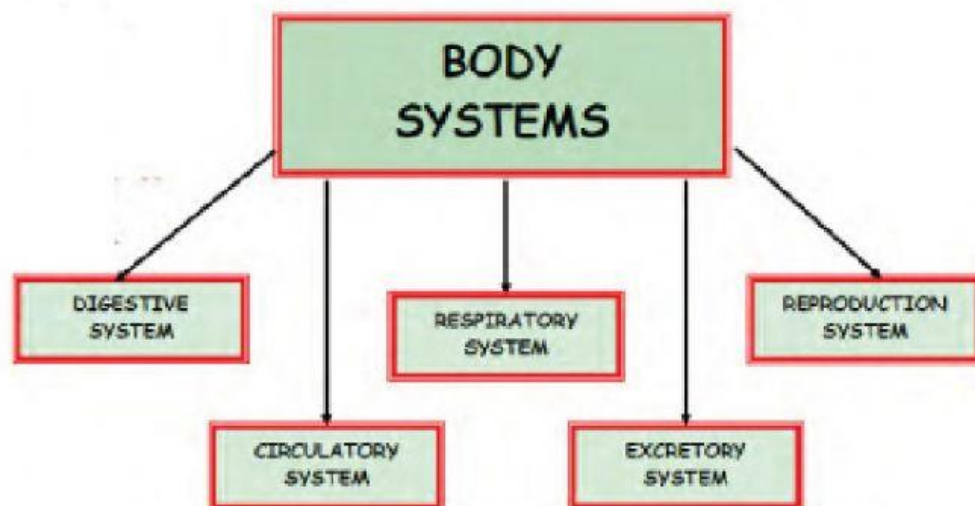
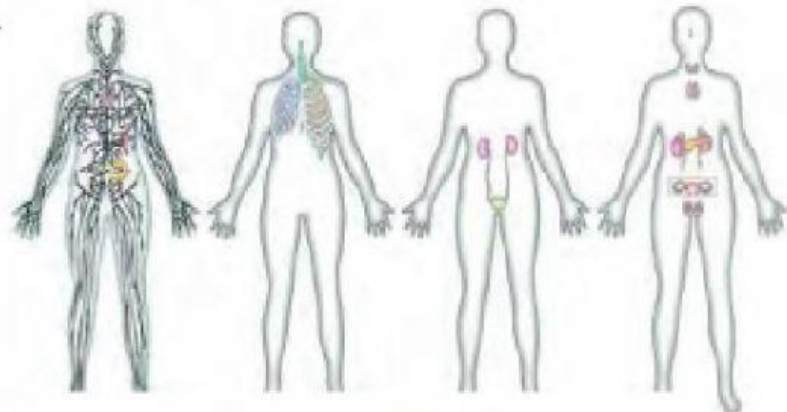
What are you going to study?

1. SYSTEMS OF THE BODY

The systems of the body enable us to perform vital functions. We use the systems of the body in order to process substances from our environment as either nutritional or waste products. Our bodies are nutritious if we eat healthy and have a balanced and complete diet.

The five body systems are

1. Digestive System.
2. Circulatory System
3. Respiratory system.
4. Excretory System.
5. Reproduction System



- The body systems enable us to perform vital functions.
- There are five body systems: the Digestive System, Circulatory System, Respiratory System, Excretory System and Reproduction System.

1.1. DIGESTIVE SYSTEM

Human beings need energy to live. We eat food to get energy. When we eat, our body digests the food and produces energy. Digestion is the process by which food substances are changed into nutritional substances that our body needs.

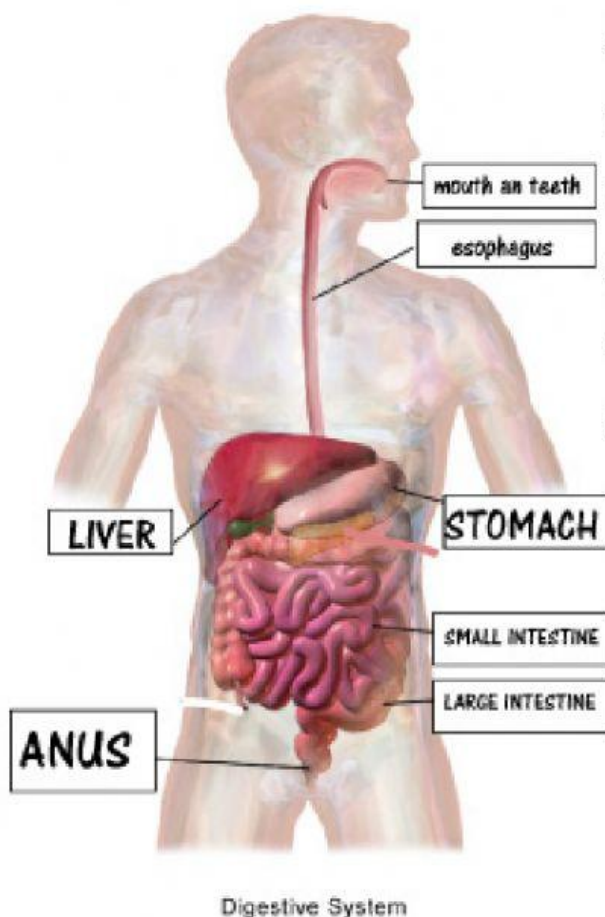


Living things eat food in order to get

Organs of the Digestive System

The digestive system is made up of six organs, they are the:

1. **Mouth:** food enters our body through our mouth.
2. **esophagus:** a long tube between our mouth and the stomach.
3. **Stomach:** it is like a bag and it secretes gastric juice, the stomach receives food from the oesophagus and mixes it with this gastric juice.
4. **Intestine:** a long tube. It is composed of two parts:
 - Small intestine: it is about seven metres long. The small intestine absorbs the nutritional substances.
 - Large intestine: it is about one metre and a half long. It takes the bad substances from our body.
5. **Anus:** it is at the end of the large intestine. Faeces are eliminated through the anus.



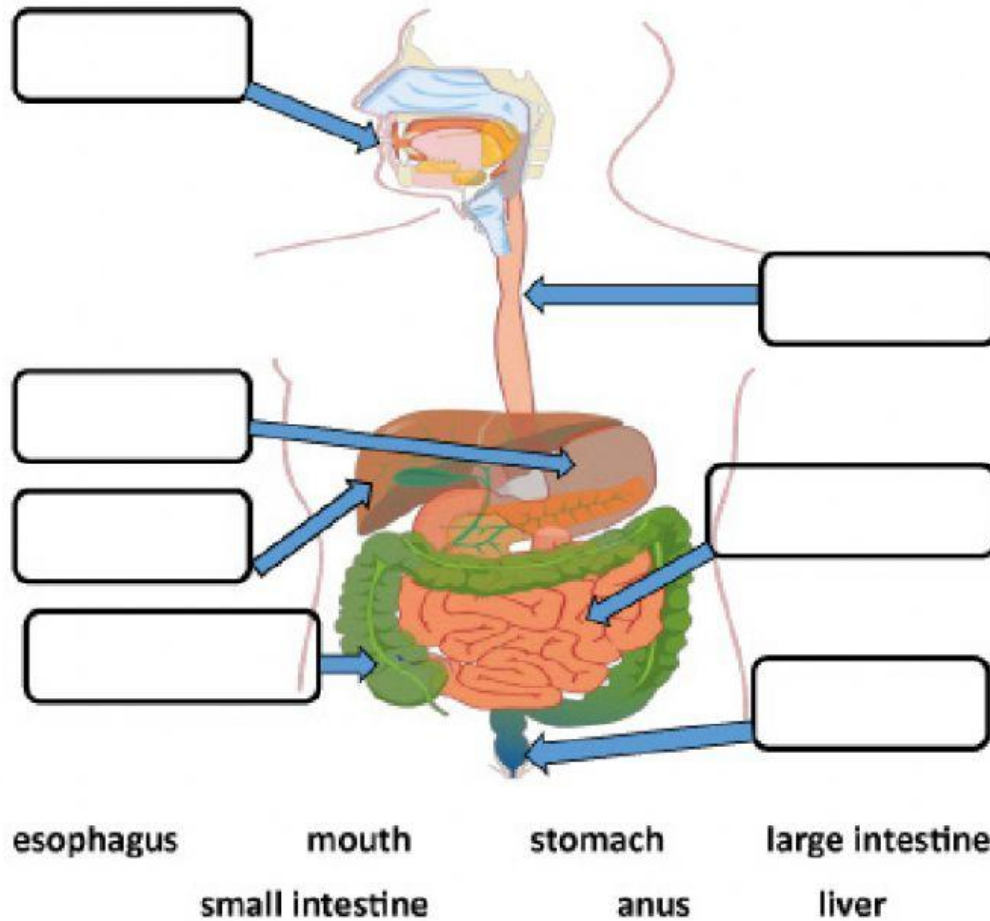
Stages of digestion

1. Digestion begins in the mouth. Our teeth cut and chew the food. Our tongue mixes the food with saliva.
2. Then the food goes down the esophagus and goes into the stomach.
3. In the stomach, the food is mixed with a liquid (gastric juice).
4. In the small intestine, the food is divided into nutritional substances that our body needs.
5. The parts of food that we do not need go into the large intestine. They are transformed into faeces and they are expelled through the anus. After eating, we must wait two hours before doing physical activities. Our digestion takes time!



When we eat we do the digestion process. It takes about 2 hours!

2. - Label the parts of the digestive system.



3. - Read and write.

a) Food circulates through this from the mouth to the stomach.

b) Our teeth are in this. _____

c) In this part the food is mixed with a liquid called gastric juice.

d) Faeces are expelled through this. _____

e) The food is divided into nutritional substances that our body needs.