

LIVING & NON-LIVING THINGS



by GRACIA PALMA

Photos taken from National Geographic & other internet sources

LIVING OR NON-LIVING?



LIVING OR NON-LIVING?



Gracia Palma curso 2010-2011

LIVING OR NON-LIVING?



LIVING OR NON-LIVING?



LIVING OR NON-LIVING?



LIVING OR NON-LIVING?



Gracia Palma curso 2010-2011

LIVING vs. NON-LIVING THINGS

In nature, there are living and non-living things.

Living things have the following features:

- They are born.
- They eat.
- They react to their environment.
- They grow.
- They reproduce.
- And finally, they die.



Gracia Palma curso 2010-2011

LIVING THINGS

Living things perform the three life processes:

- Nutrition: Living things eat food, which contains nutrients (substances that provide energy.)
- Sensitivity or interaction: Living things react to their environment.
- Reproduction: Living things have offspring. The new ones replace the ones which die.

NUTRITION, SENSITIVITY OR REPRODUCTION?



A polar bear has white fur to blend in with ice and snow. It also has thick fur to keep warm.

NUTRITION, SENSITIVITY OR REPRODUCTION?



NUTRITION, SENSITIVITY OR REPRODUCTION?



NUTRITION

at pppst.com



All living things need:

- **Energy** (to walk, run, study...)
- and **materials** (to grow and have good health)

NUTRITION

at pppst.com



Nutrition includes all the processes to get the energy and the materials we need to live.

NUTRITION

at pppst.com



Nutrition is a long process.

NUTRITION

at pppst.com



It starts when we have food.

Food have **nutrients**, which are the substances we transform in energy and materials.

NUTRITION

at pppst.com

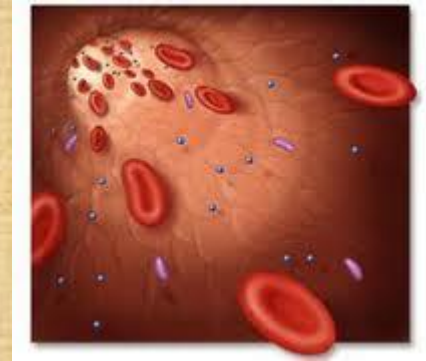


In order to obtain energy and materials from nutrients, a chemical reaction is produced in our cells.

We need a lot of **oxygen** to produce that chemical reaction.

NUTRITION

at pppst.com



Oxygen and nutrients must be transported to all parts of our body.

NUTRITION

at pppst.com



Finally, we need to **eliminate the waste** produced.



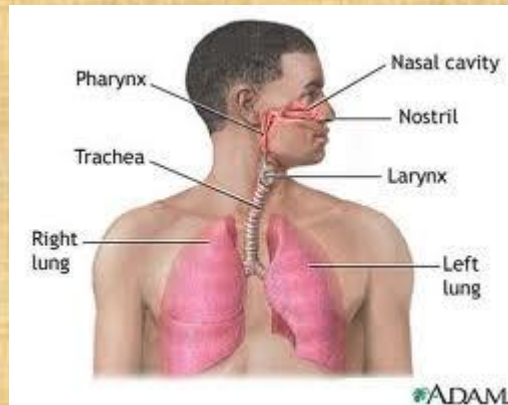
NUTRITION

at pppst.com

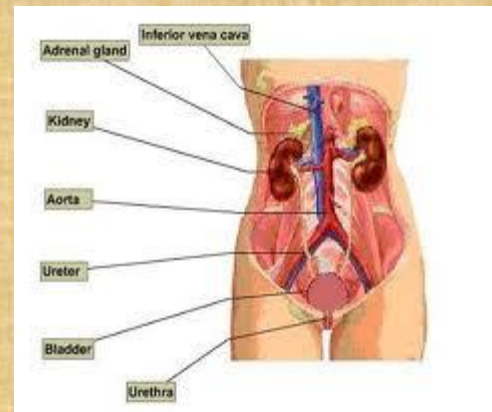


Several systems are involved in the process of nutrition.

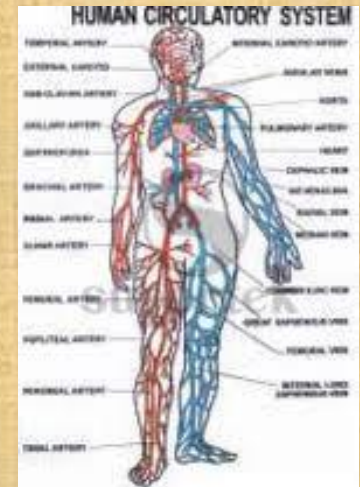
Respiratory system.



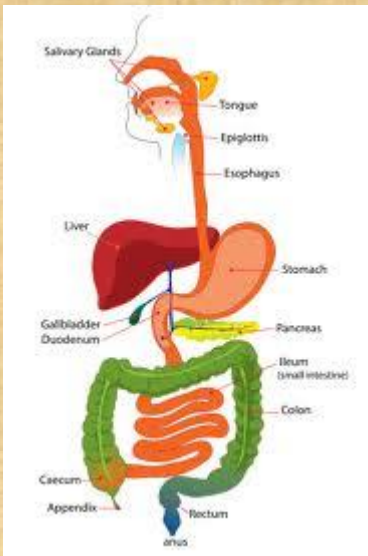
Circulatory system.



Excretory system.



Digestive system.



THINK AND WRITE



- What have you learnt?

I have learnt...

He aprendido...