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# Social Science

## UDI 1. ME CUIDO.

### UNIT 1

**Air** and water ( En esta UDI 1 trabajaremos solo la atmósfera)

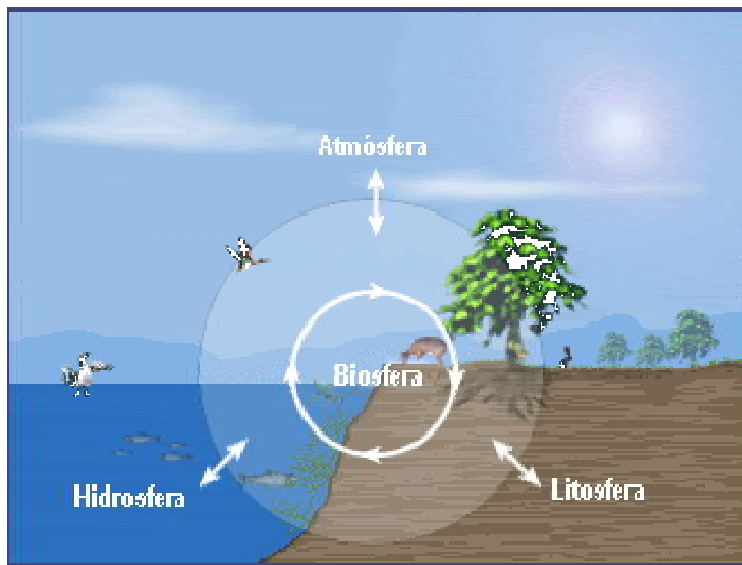
# 1. The Earth's structure

## The Earth is a sphere.

The Earth's structure is divided into three parts:

- **Atmosphere:** is the air that surrounds the planet
- **Hydrosphere:** is all the water in the planet
- **Geosphere:** is rocky

En esta UDI 1 nos centraremos en el estudio de la atmósfera.



# 2. The Earth's atmosphere

## 2.1 What is the atmosphere made of?

The atmosphere mainly consists of air.

The different gases in the atmosphere are:

- A) Nitrogen      B) Oxygen      C) Water vapour      D) Carbon dioxide

There are two parts to the atmosphere:

**A) Upper atmosphere:** there are no weather phenomena

**B) Lower atmosphere:** there are clouds, wind and rain.



# 2. The Earth's atmosphere

## 2.2 What are the atmospheric phenomena?

Atmospheric phenomena are changes in the atmosphere.

- A) Wind                      B) Clouds                      C) Precipitation ( rain, hail or snow)
- D) Rainbow                      E) Thunderstorms                      F) Lightning                      G) Hurricanes



# 2. The Earth's atmosphere

## 2.3 How can we study the weather?

The study of weather is called **METEOROLOGY**.

**WEATHER FORECASTER** give weather predictions for the next hours or days.



# 3. Weather and climate

## 3.1 What is the difference between weather and climate?

-**WEATHER:** is the atmospheric conditions in a specific place at a moment in time.

-**CLIMATE:** is the atmospheric conditions of an area during a long period of time.

○Temperature is measured in degrees.

○Speed of wind is measured in kilometres per hour.

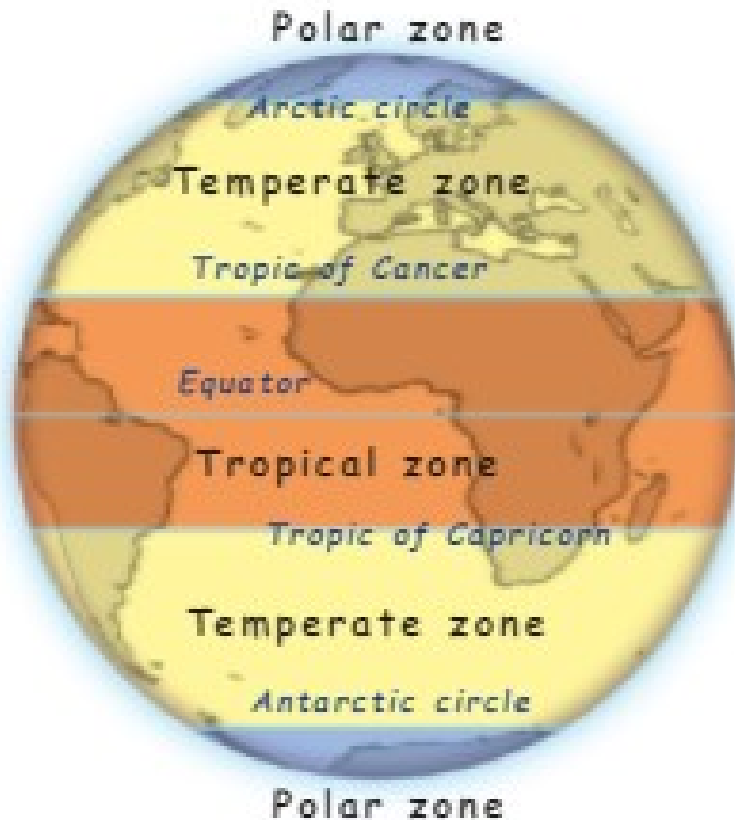
○Precipitation is measured in milimitres.

○Humididy is the amount of water vapour in the air.



# 3. Weather and climate

## 3.2 What are climate zones?



**Climate on the Earth** can be divided into three different zones.

- 1) **Tropical zone:** temperatures are high.
- 2) **Temperate zone:** temperatures changes during the year
- 3) **Polar zones:** there are a very low temperatures.