

Full name: Date:	
Class: School:	
Teacher:	

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A Air: aire B

C Closest: más cercano

D Depression: borrasca During: durante E

F Fall: caer Fly: volar

Force: fuerza

## G

H Hail: granizos, granizar Heavy: pesado. Heavier: más pesado. Heat: calor Here: aquí High: alto/a Hot air balloon: globo aerostático Humans: los humanos

I

J

Κ

Layers: capas Light: ligero/a Located: situados Low: bajo/a

M Measure: medir

N

O Ozone layer: capa ozono Pressure: presión Q

#### R

Rainfall: precipitación Rain gauge:pluviómetro

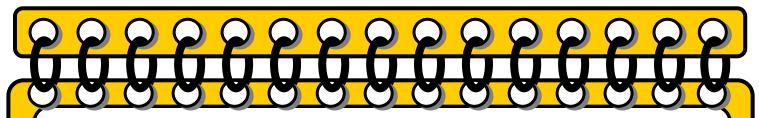
Seasonal: estacionales Sleet: aguanieve Soil: tierra Such as: tales como Surface: superficie. Surrounded by: rodeado de

#### Т

Too: también Thin: fina, delgada

#### ۷

W Weather: tiempo Weather conditions: condiciones metereológicas. Wind: viento With: con



#### 1.- THE ATMOSPHERE.

Planet Earth is surrounded by a layer of gases called atmosphere. The most important gases are nitrogen and oxygen. The atmosphere is responsible for the temperature in our planet.

The atmosphere has got five layers. Their names are:

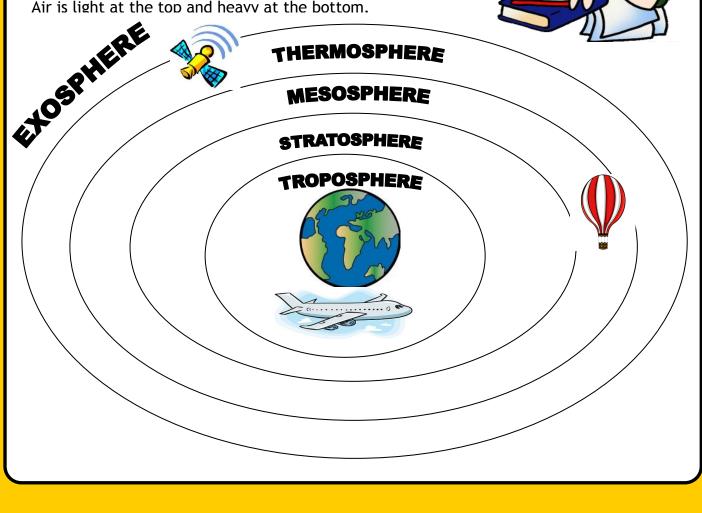
- 1. Troposphere is the closest to the Earth. Humans live here. Aeroplanes fly here too. Weather conditions occur: snow and rain.
- 2. Stratosphere is between the troposphere and the mesosphere. It has got the ozone layer.
- 3. Mesosphere. Hot air balloons fly here. Temperatures are cold
- 4. Thermosphere. Satellites fly here. Temperatures are high.
- 5. Exosphere. There is very thin air. The pressure is low.

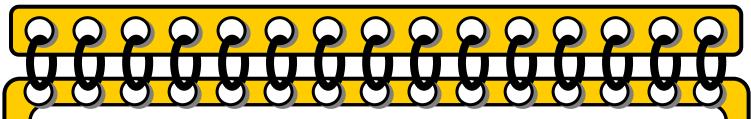
Air is light at the top and heavy at the bottom.

surrounded by= rodeado/a de

called = llamado/a

ozone layer= capa de ozono





#### 2.- WEATHER AND CLIMATE.

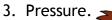
Weather is the situation of the atmosphere during a short period in a small surface of the Earth. It is very irregular and it changes a lot. The weather can be sunny, foggy, rainy, stormy

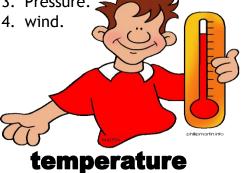
The climate is the situation of the atmosphere during a long period of time and a big surface. The climate can be Polar, Mediterranean, Oceanic...

#### 3.- THE ELEMENTS OF THE CLIMATE.

The climate has got some element. We can **measure** these element.

- 1. Temperature.
- 2. Rainfall.







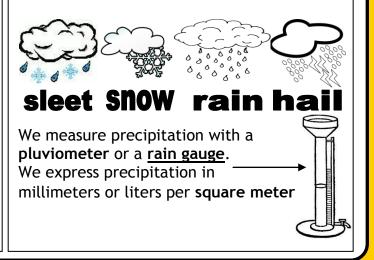
Temperature is the heat in the atmosphere. We measure it with a thermometer in Celsius degrees.

The temperature of a zone changes with the latitude, altitude and distance to the sea.

According to temperatures, the Earth is divided in 5 zones:

- One hot zone, located between the Tropics.
- Two temperate zones, located between the poles and the tropics.
- Two cold zones, located in the Arctic Pole and Antarctic Pole.

Rainfall or precipitation is the water that falls from the clouds. It can be solid or liquid. The form of precipitation can be rain, snow, hail or sleet.



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## atmospheric pressure

It is the **force** of air on a particular point. It depends on some factors:

 Altitude: low zones have more pressure than high zones.
Temperature: cold air is heavier than hot air.

Anticyclones or high pressure zones have stable weather. **Depressions** or low pressure zones have unstable weather.

We **measure** pressure with a **barometre**. We express it in milibars.

### wind

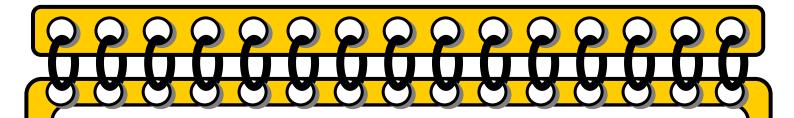
Wind is air in movement. It depends on two factors: **speed** and **direction**.

There are different types of wind:

- 1.- Seasonal winds.
- 2.- Constant winds.
- 3.- Daily winds.

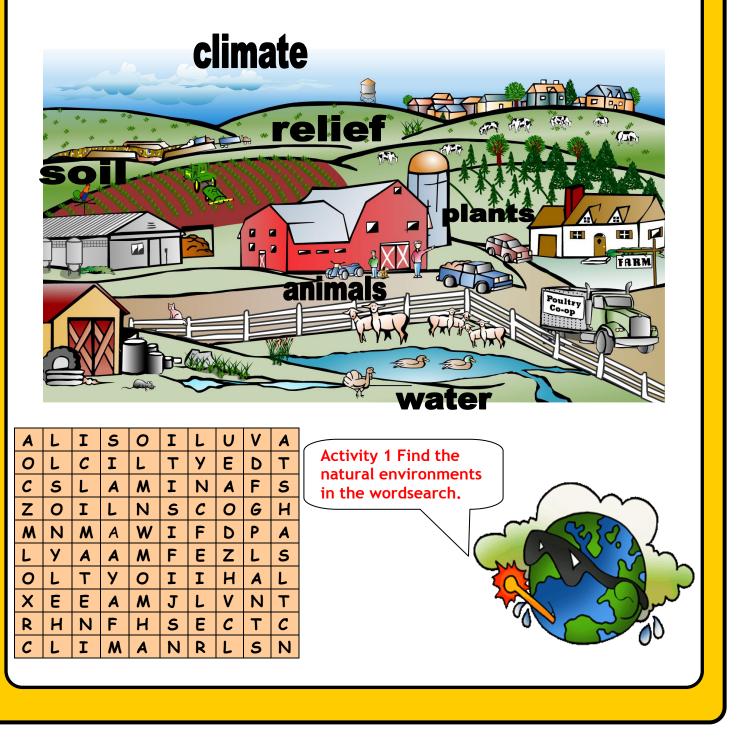
We measure the speed of the wind with an **anemometer**. We express wind in kilometers per hour or meters per second.

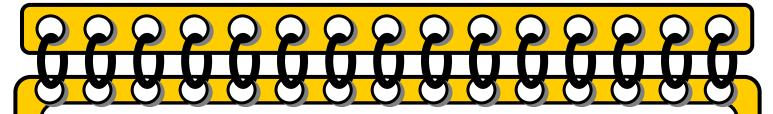




#### 4.- THE NATURAL ENVIRONMENT

The natural environment is the place where animals and plants live. it also includes physical elements <u>such as</u> the climate, water, soil and relief. In conclusion, the natural environment is a combination of physical elements and living organisms.





Activity 2. Complete the chart.

	TEMPERATURE	RAINFALL	ATMOSPHERIC PRESSURE	WIND
DEFINITION	It is the heat in the atmosphere			
FACTORS				Speed and direction
<u>TOOL OF</u> MEASUREMENT		Pluviometer or rain gauge		
<u>UNIT OF</u> MEASUREMENT				Kilometers per hour or

Activity 3. True or false.

a) Temperature is the heat of the relief					
b) The natural environment is the place where animals and plants live.					
d) Rainfall or precipitation is the snow that falls from the clouds.					
e) Low zones have more pressure than high zones					
f) The weather is the situation of the atmosphere during a long period of					
time					