

# **CLIMATE WORLDWIDE**

**Students' worksheets**

**Pluvia Loriente**

**CEIP JOSEP TARRADELLAS**

**October-December, 2009**

Name: \_\_\_\_\_

- Ask your partner for information to complete the temperature and rainfall graphs  
**STUDENT: A**

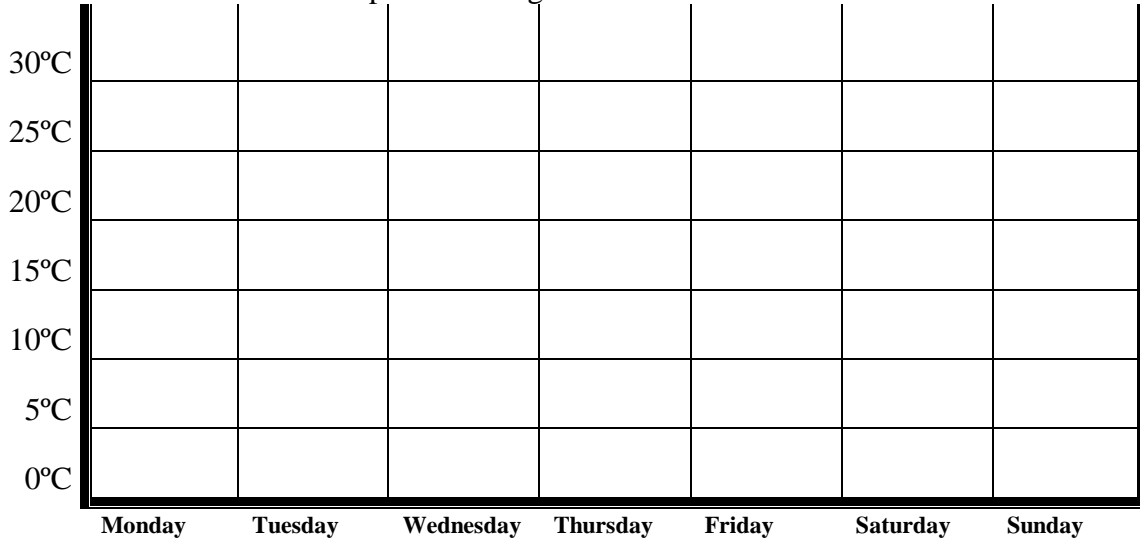


What's the temperature on .....

Temperature degrees

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
25°C		27°C		24°C		26°C

Temperature Degrees data in one week



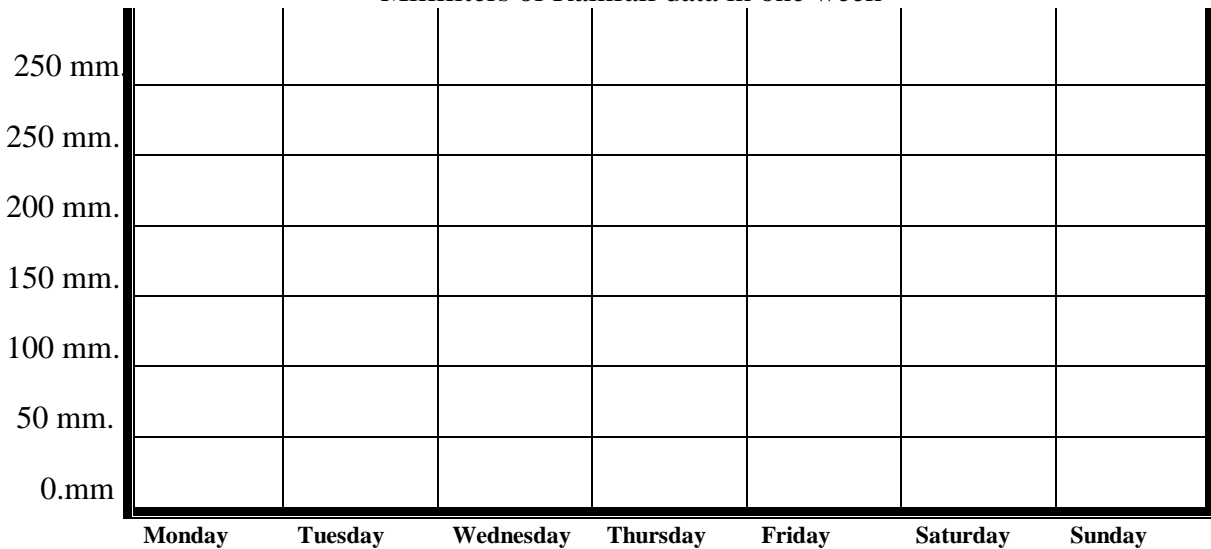
How much rain is there on .....



Rainfall milliliters

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	50 mm.		200 mm.		50 mm	

Milliliters of Rainfall data in one week



Name: \_\_\_\_\_

- Ask your partner for information and complete the temperature and rainfall graphs

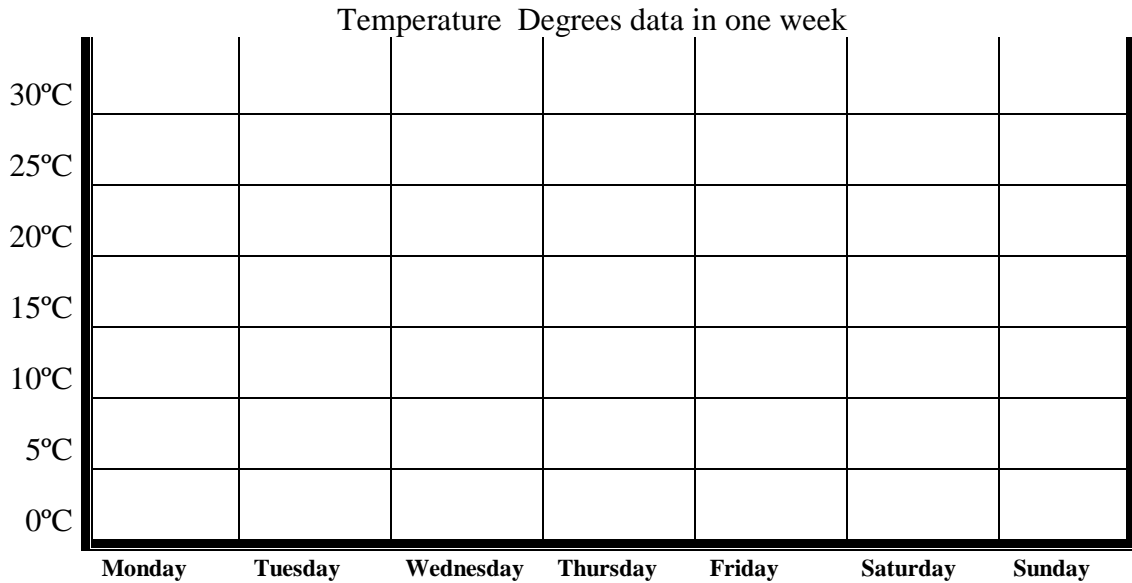
**STUDENT: B**

What's the temperature on .....



Temperature degrees

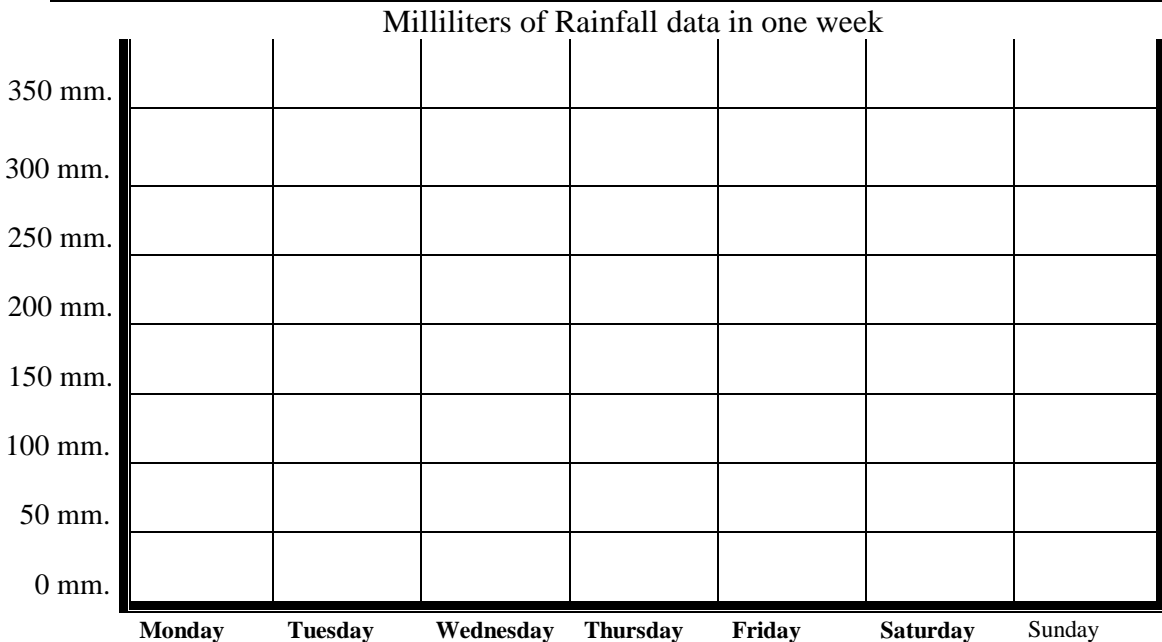
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	29°C		30°C		23°C	



How much rain is there on

Rainfall milliliters

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
0mm.		250mm.		125mm.		10mm.



Name: \_\_\_\_\_ Date \_\_\_\_\_

### ALTOGETHER THAT'S THE WEATHER



What's the weather? It's \_\_\_\_\_.

What's the weather? It's \_\_\_\_\_.

Altogether that's the weather,

Sun, rain, wind, \_\_\_\_\_,

Hot, cold, cool, \_\_\_\_\_.

What's the weather? It's \_\_\_\_\_,

What's the weather? It's \_\_\_\_\_,

Altogether that's the weather.

In the summer , it is \_\_\_\_

In the winter, it is \_\_\_\_

In the Spring there flowers

In the Autumm there are showers.



What's the weather ? It's \_\_\_\_\_,

What's the weather? It's \_\_\_\_\_,

Altogether that's the weather,

Sun, rain, wind, \_\_\_\_\_,

Hot, cold, cool, \_\_\_\_\_.



What's the weather ? It's \_\_\_\_\_,

What's the weather? It's \_\_\_\_\_,

Altogether that's the weather.

In the summer it is \_\_\_\_,

In the winter it is \_\_\_\_,

In the Spring there are flowers,

In the Autumm there are showers.



Altogether that's the weather,

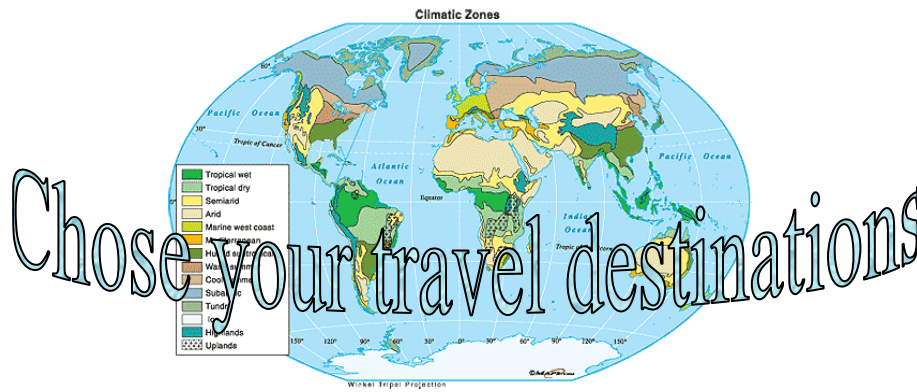
Altogether that's the weather,

Altogether that's the weather.



by Peter Weatherall

Name: \_\_\_\_\_ Date: \_\_\_\_\_



1- First Choice:

PLACE	CLIMATE	WHAT TO DO	WHAT TO WEAR

Why ?

I'd like to go to _____	because	I like going	to the beach. to the rainforest. .....
		I like	visiting places. skiing .....
I want to go to _____		I can see	bears. camels. a desert. .....

2- Second choice:

PLACE	CLIMATE	WHAT TO DO	WHAT TO WEAR

Name: \_\_\_\_\_

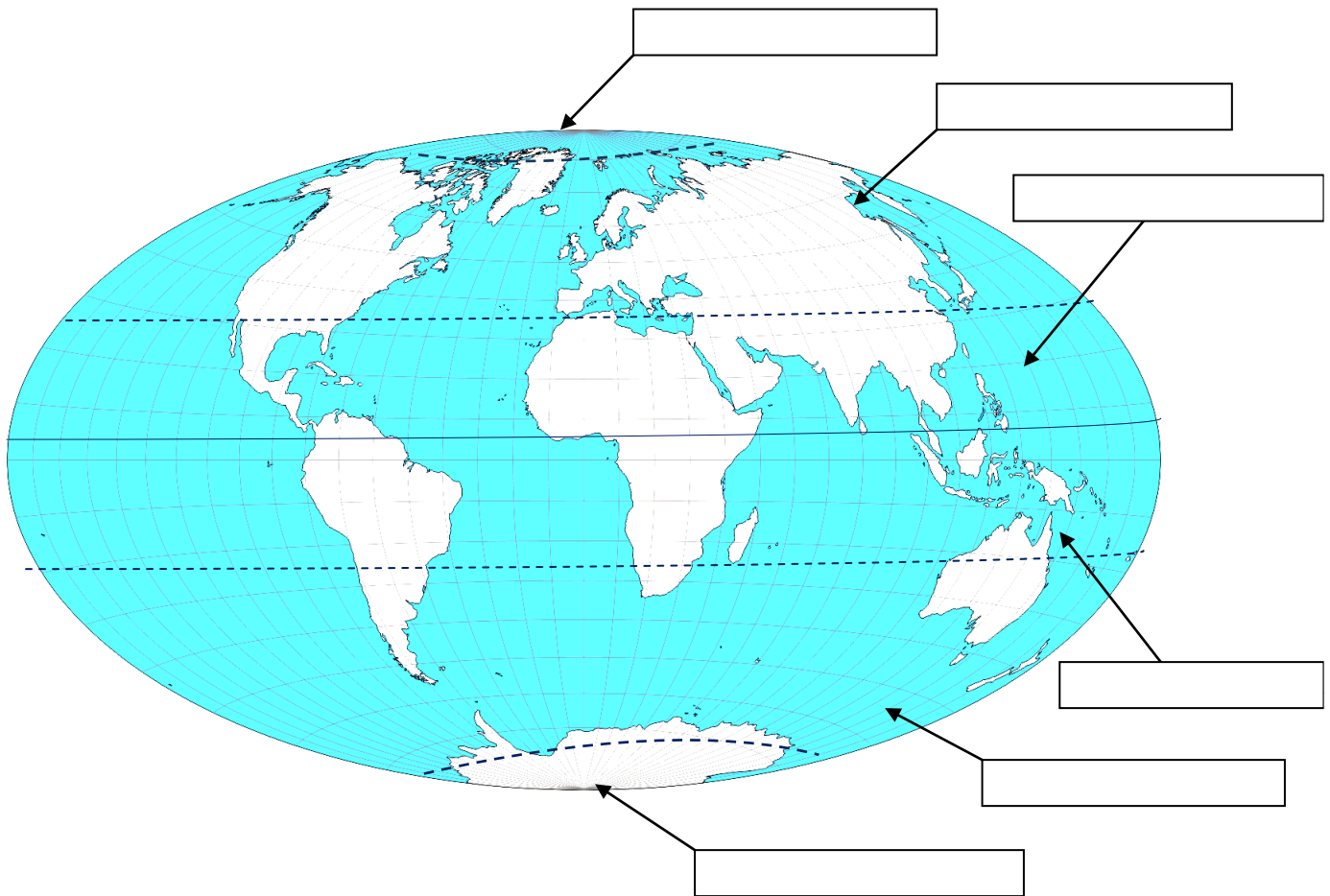
Date: \_\_\_\_\_

➤ Write the corresponding zone in each box:

Cold zone

Hot zone

Temperate zone



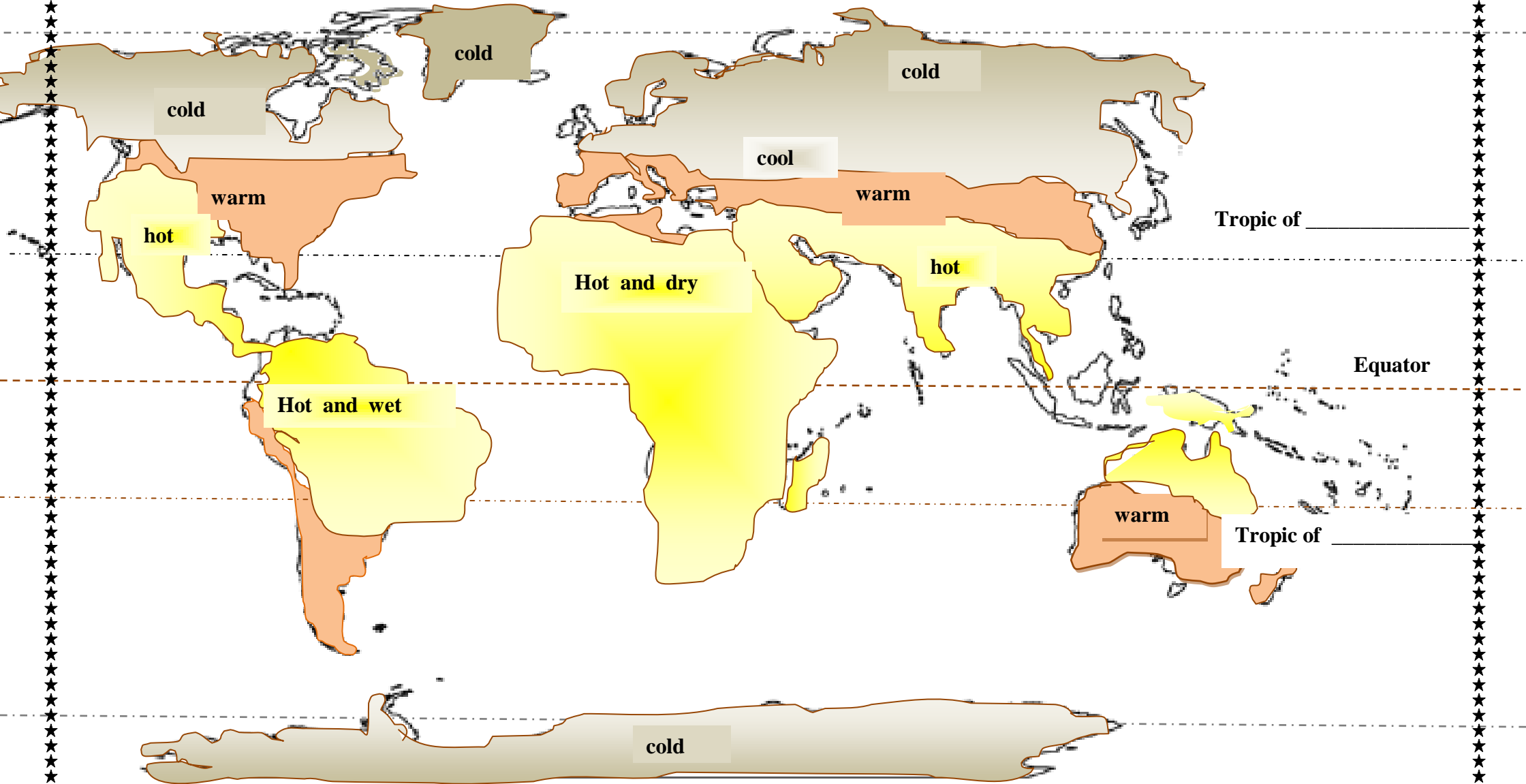
➤ Catalonia is located in the \_\_\_\_\_ zone.

CLIMATE WORLDWIDE

Name: \_\_\_\_\_

Date: \_\_\_\_\_

WS-5



Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Rewrite the imaginary lines with a different color:

Red for the **EQUATOR** - Green for the **TROPICS** – Blue for the **ARCTIC & ANTARCTIC CIRCLES**

2. Complete the climatic key by coloring the boxes below

- Polar
- Tundra
- Mountain
- Cool temperate
- Warm temperate
- Tropical
- Desert
- Monsoon



3. Write the corresponding climate in each zone:

TYPES OF CLIMATE ON THE EARTH		
Hot zone	Temperate zone	Cold zone
.....	.....	.....
.....	.....	.....
.....	.....	.....



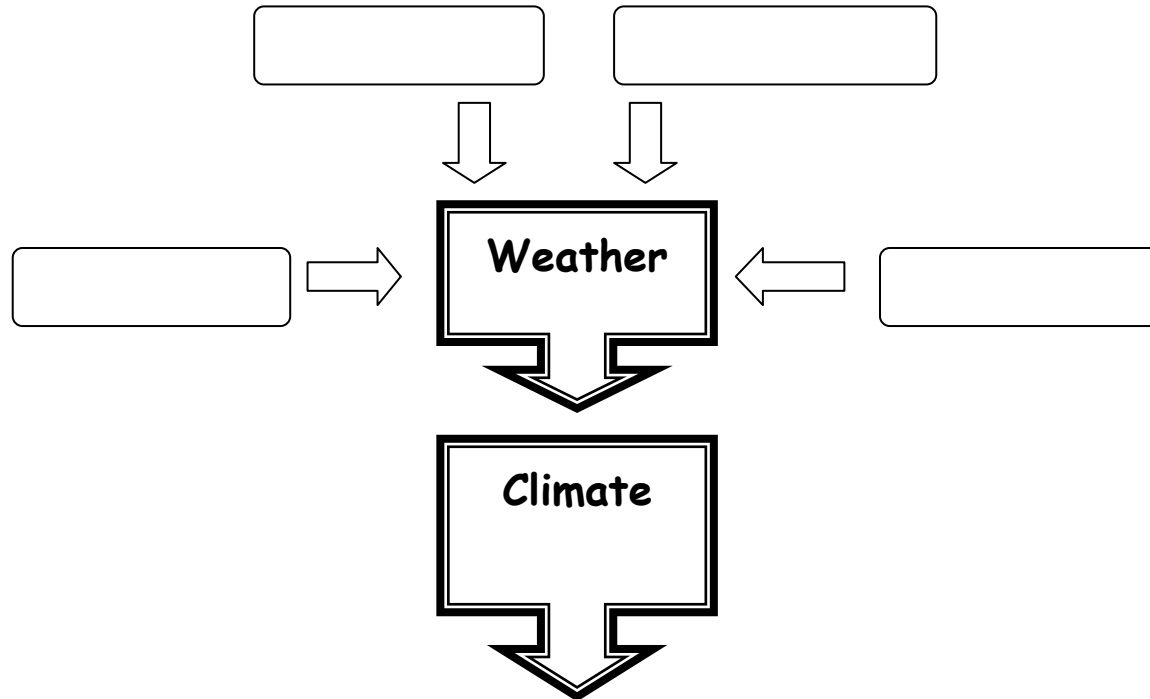
Name: \_\_\_\_\_

Date: \_\_\_\_\_

➤ Write the words below on the right place in the organizer.

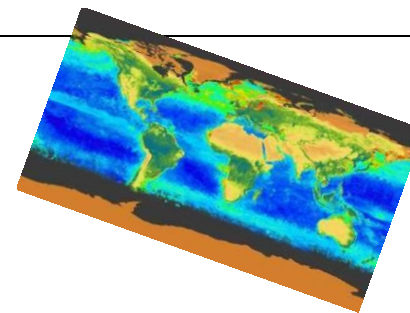


Polar - Mountain - Desert - precipitation - temperature - sunshine - Warm temperate weather - climate - wind - Cool temperate - Tundra - Tropical - Monsoon - climate







--	--	--	--	--	--	--	--

# Things I can talk about



Weather and climate

								
Very easy								
								
Easy								
								
Not so easy								
								
Hard								
<b>How I can...</b>	<b>Tell someone what the weather is like</b>	<b>Understand the differences between weather and climate</b>	<b>Complete a weather graph</b>	<b>Say the weather words learned in the unit</b>	<b>Identify the Earth's climate zones</b>	<b>Locate the Equator, Tropics and Polar Circles</b>	<b>Classify the words learned in the unit</b>	<b>Work with a partner and a group</b>



Name: \_\_\_\_\_

➤ Read and complete the text with the words in the box below:



## WEATHER PATTERNS

The **hottest** places on Earth are around the \_\_\_\_\_ . Here the sun is almost directly overhead. The \_\_\_\_\_ fall straight on to the

surface and heat it up.

Away from the Equator, the \_\_\_\_\_ is lower in the sky.

The \_\_\_\_\_ are weaker so the air does not get so warm.



The **coldest** \_\_\_\_\_ are around the North and South Poles.

**Climate** is the pattern of \_\_\_\_\_ for a place.

Some \_\_\_\_\_ have **hot climates**, some have **cold**

**climates** and some have **temperate climates**.

The \_\_\_\_\_ of a place depends mainly on its distance from the Equator. It is hottest at the **Equator** and becomes colder towards the

\_\_\_\_\_.

Three of the principal climates in the world are **Tropical**, **Temperate** and **Polar**. Each climate has its own **flora** and **fauna**

Equator - rays - sun - rays - places - weather - places - climate - **Poles**

## WEATHER PATTERNS

The **hottest** places on Earth are around the Equator. Here the sun is almost directly overhead. The rays fall straight on to the surface and heat it up.

Away from the Equator, the sun is lower in the sky. The rays are weaker so the air does not get so warm.

The **coldest** places are around the North and South Poles.

**Climate** is the pattern of weather for a place. Some places have **hot climates**, some have **cold climates** and some have **temperate climates**.

The climate of a place depends mainly on its distance from the Equator. It is hottest at the **Equator** and becomes colder towards the Poles.

Three of the principal climates in the world are **Tropical**, **Temperate** and **Polar**. Each climate has its own **flora** and **fauna**.

Name: \_\_\_\_\_

Steps to follow:

Work Searching

1- Go to this web address:

<http://www.worldweather.org/>



2- Click on \_\_\_\_\_ ( the country ) below the heading:

**"Weather Forecast now available from:"**

3- Click on \_\_\_\_\_ ( the city )

4- Click on the map located on the right hand side and tick the

climate zone where the city is located.

Cold	Temperate	Hot
------	-----------	-----

5- Look at the **Weather Forecast** and write

down:            What's today's temperature:

Maximum: _____ °C
Minimum: _____ °C

6- Look at Climatological Information and write down the maximum daily temperature for the year in the chart below:

City: \_\_\_\_\_ Climate zone \_\_\_\_\_

Jan.	Feb.	Mar.	Apr.	May	Jun.	July	Aug.	Sep.	Oct.	Nov.	Dec.

City: \_\_\_\_\_ Climate zone \_\_\_\_\_

Jan.	Feb.	Mar.	Apr.	May	Jun.	July	Aug.	Sep.	Oct.	Nov.	Dec.

City: \_\_\_\_\_ Climate zone \_\_\_\_\_

Jan.	Feb.	Mar.	Apr.	May	Jun.	July	Aug.	Sep.	Oct.	Nov.	Dec.

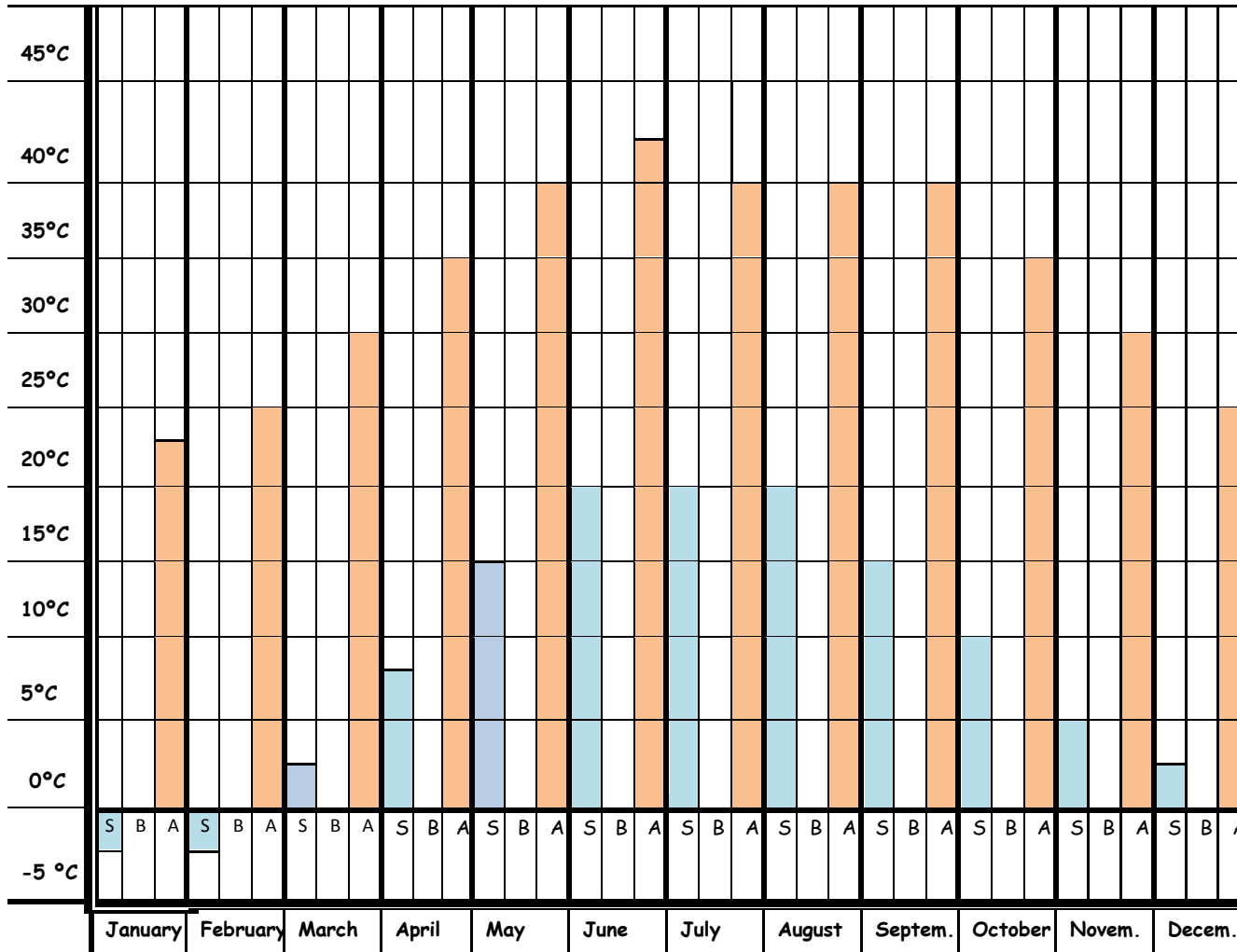


➤ Complete the graph using the data in worksheet 10 and following the Key.

Stockholm

Barcelona

Asswan



Key

Stockholm

Green

Barcelona

Asswan

Name: \_\_\_\_\_

WS - 12A



# Polar Climate

\_\_\_\_\_ areas, \_\_\_\_\_  
 strong, \_\_\_\_\_ average \_\_\_\_\_  
 \_\_\_\_\_ °C. \_\_\_\_\_ rises \_\_\_\_\_, even  
 \_\_\_\_\_ usually \_\_\_\_\_ about \_\_\_\_\_  
 \_\_\_\_\_ Antarctic \_\_\_\_\_ South \_\_\_\_\_  
 \_\_\_\_\_ coldest \_\_\_\_\_ Arctic  
 \_\_\_\_\_ cold \_\_\_\_\_ still \_\_\_\_\_.

## AVERAGE

Temperature	
Precipitation	
Winds	
Sunshine	



Name: \_\_\_\_\_

WS - 12B



# Cool Temperate

\_\_\_\_\_ average \_\_\_\_\_  
 \_\_\_\_\_ °C. Usually \_\_\_\_\_ ( usually \_\_\_\_\_  
 \_\_\_\_\_ sunshine \_\_\_\_\_ ). \_\_\_\_\_ wet ( \_\_\_\_\_  
 usually \_\_\_\_\_ ).  
 \_\_\_\_\_ often \_\_\_\_\_, \_\_\_\_\_ daytime \_\_\_\_\_  
 \_\_\_\_\_ from \_\_\_\_\_ ( \_\_\_\_\_ breezes ). \_\_\_\_\_  
 \_\_\_\_\_ temperate \_\_\_\_\_; Spring,  
 \_\_\_\_\_ , \_\_\_\_\_ .

## AVERAGE

Temperature	
Precipitation	
Winds	
Sunshine	

Name: \_\_\_\_\_

WS - 12C



# Tropical



Places \_\_\_\_\_ near \_\_\_\_\_  
 \_\_\_\_\_ always \_\_\_\_\_  
 temperature \_\_\_\_\_ between \_\_\_\_\_ °C  
 \_\_\_\_\_ °C. There \_\_\_\_\_ all \_\_\_\_\_  
 usually \_\_\_\_\_ about \_\_\_\_\_ very  
 \_\_\_\_\_, about \_\_\_\_\_ sunshine \_\_\_\_\_  
 \_\_\_\_\_. There \_\_\_\_\_; \_\_\_\_\_ rainy \_\_\_\_\_  
 \_\_\_\_\_ dry \_\_\_\_\_ often \_\_\_\_\_  
 \_\_\_\_\_ winds .

## AVERAGE

Temperature	
Precipitation	
Winds	
Sunshine	

Name: \_\_\_\_\_

WS - 12D



# Desert

\_\_\_\_\_ places \_\_\_\_\_ there \_\_\_\_\_  
 \_\_\_\_\_ rainfall, \_\_\_\_\_ cm. \_\_\_\_\_ each  
 \_\_\_\_\_, \_\_\_\_\_ very \_\_\_\_\_ ( up \_\_\_\_\_  
 \_\_\_\_\_ °C ) \_\_\_\_\_ night \_\_\_\_\_  
 usually \_\_\_\_\_ Occasionally \_\_\_\_\_  
 \_\_\_\_\_ storms.

There \_\_\_\_\_ Deserts. \_\_\_\_\_  
 \_\_\_\_\_ near \_\_\_\_\_ Cold \_\_\_\_\_  
 the \_\_\_\_\_.

## AVERAGE

Temperature	
Precipitation	
Winds	
Sunshine	

Name: \_\_\_\_\_

WS - 12E



# Mountain

\_\_\_\_\_ mountain \_\_\_\_\_  
 height \_\_\_\_\_ . Temperatures  
 \_\_\_\_\_ low \_\_\_\_\_ cool \_\_\_\_\_ .  
 \_\_\_\_\_ always \_\_\_\_\_  
 \_\_\_\_\_ lowlands.

There \_\_\_\_\_ during \_\_\_\_\_ .  
 \_\_\_\_\_ often \_\_\_\_\_ . sometimes, \_\_\_\_\_  
 get \_\_\_\_\_ , ice \_\_\_\_\_ .

## AVERAGE

Temperature	
Precipitation	
Winds	
Sunshine	

Name: \_\_\_\_\_

WS - 12F



# Warm temperate



\_\_\_\_\_ with \_\_\_\_\_ have \_\_\_\_\_  
 \_\_\_\_\_, dry \_\_\_\_\_; \_\_\_\_\_ over \_\_\_\_\_ °C. \_\_\_\_\_  
 there \_\_\_\_\_ normally \_\_\_\_\_,  
 average \_\_\_\_\_ is about  
 \_\_\_\_\_ °C. \_\_\_\_\_ often \_\_\_\_\_ strong  
 \_\_\_\_\_. \_\_\_\_\_ quite \_\_\_\_\_, \_\_\_\_\_ usually \_\_\_\_\_  
 \_\_\_\_\_ days \_\_\_\_\_.

## AVERAGE

Temperature	
Precipitation	
Winds	
Sunshine	



Name: \_\_\_\_\_

WS-12 (back)

\_\_\_\_\_ CLIMATE AVERAGE

Temperature	
Precipitation	
Winds	
Sunshine	

\_\_\_\_\_ CLIMATE AVERAGE

Temperature	
Precipitation	
Winds	
Sunshine	

\_\_\_\_\_ CLIMATE AVERAGE

Temperature	
Precipitation	
Winds	
Sunshine	

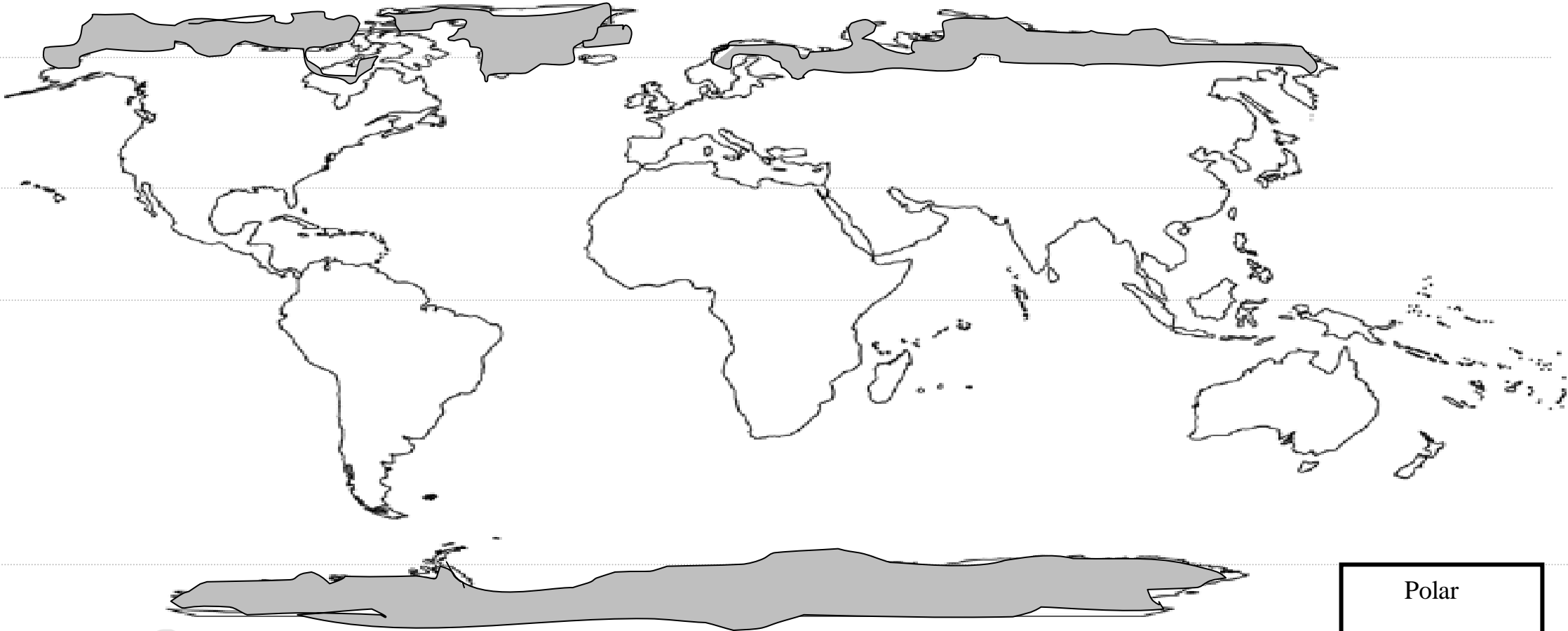
\_\_\_\_\_ CLIMATE AVERAGE

Temperature	
Precipitation	
Winds	
Sunshine	

\_\_\_\_\_ CLIMATE AVERAGE


Temperature	
Precipitation	
Winds	
Sunshine	

Name: \_\_\_\_\_

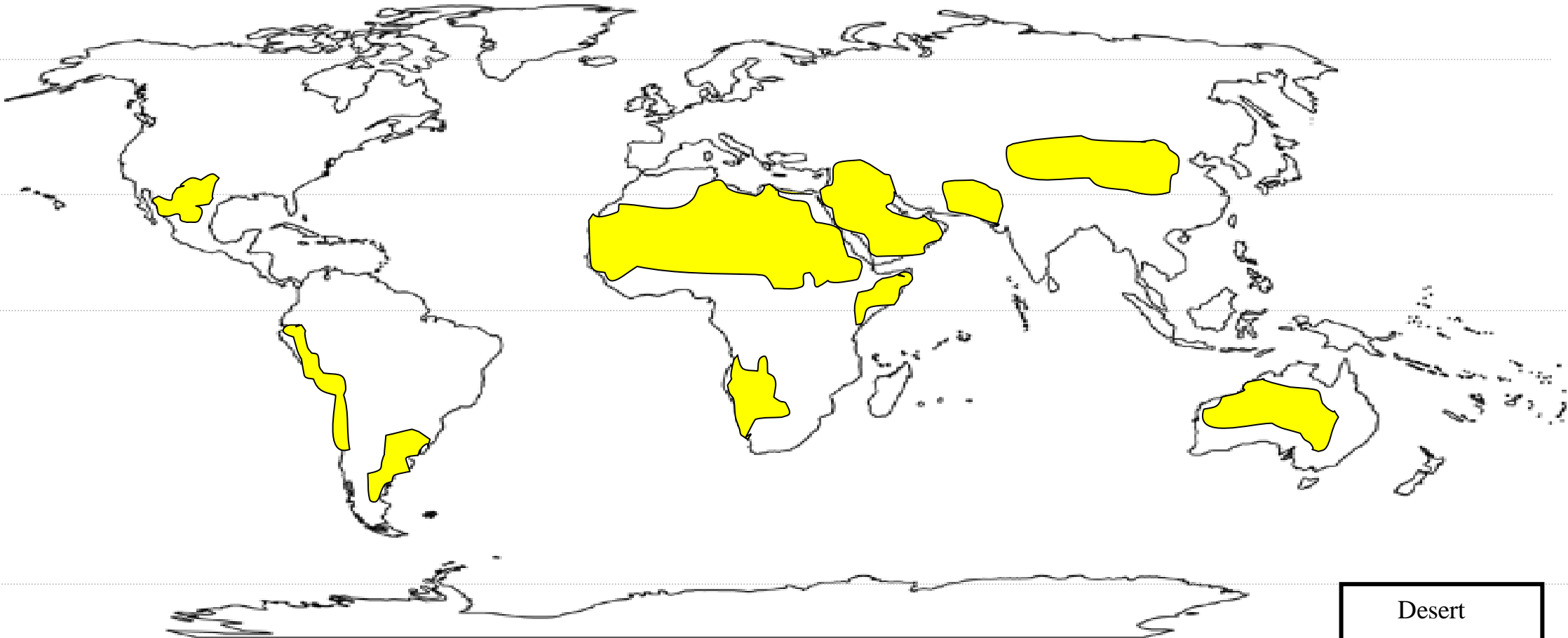


1-Using an Atlas to help you, name three countries with a Polar climate.

_____	_____	_____
-------	-------	-------


Polar	
Key	
Grey	

Name: \_\_\_\_\_



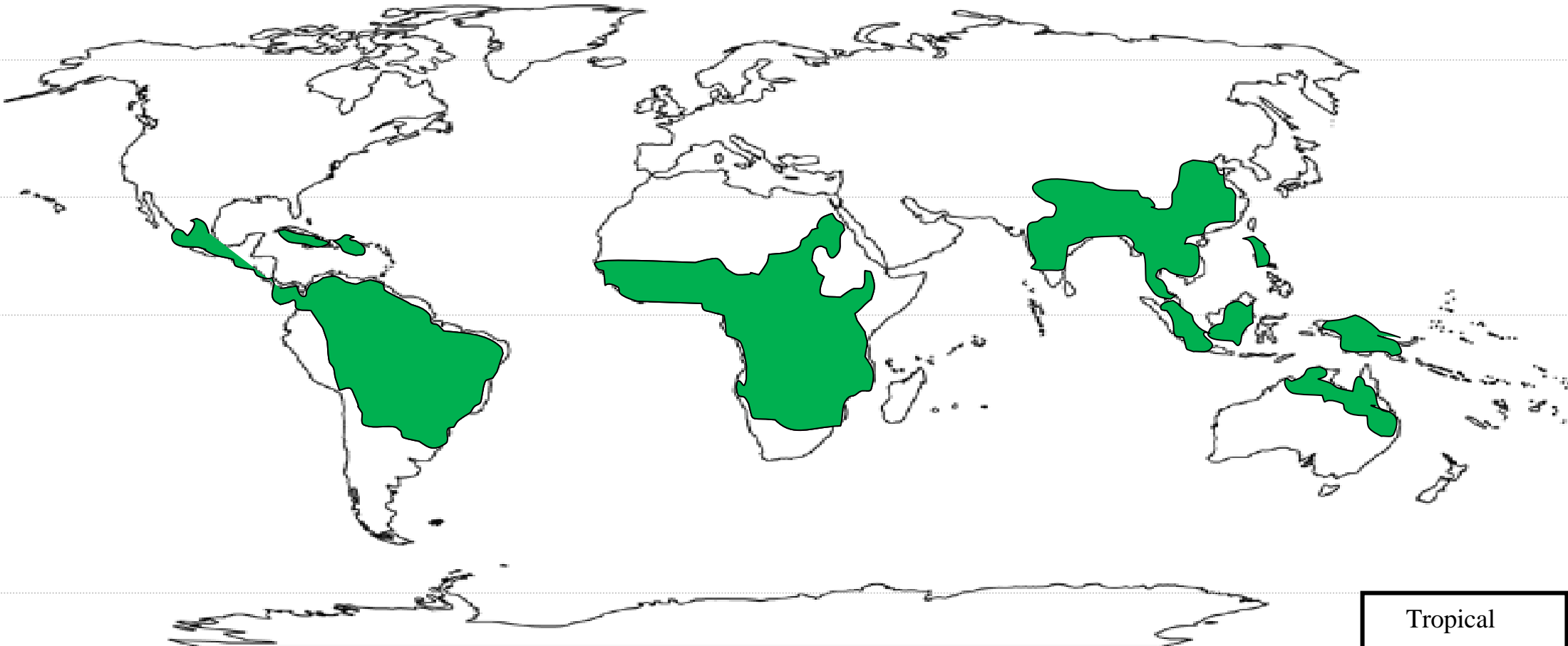
1- Using an Atlas to help you, name three countries with a Desert climate.

_____	_____	_____
-------	-------	-------

Desert	
Key	
Yellow	




Name: \_\_\_\_\_



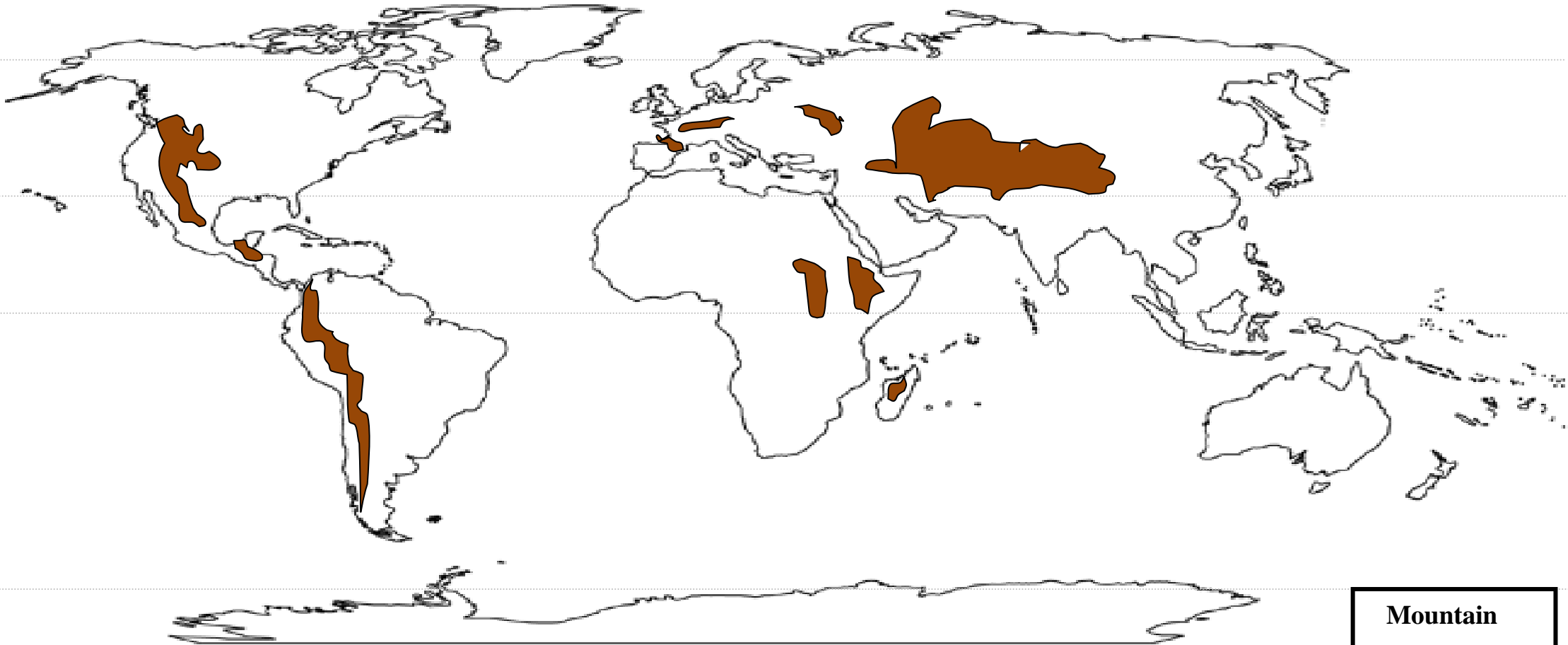
1- Using an Atlas to help you, name three countries with a Tropical climate.



_____	_____	_____
-------	-------	-------


Tropical	
Key	
green	

Name: \_\_\_\_\_

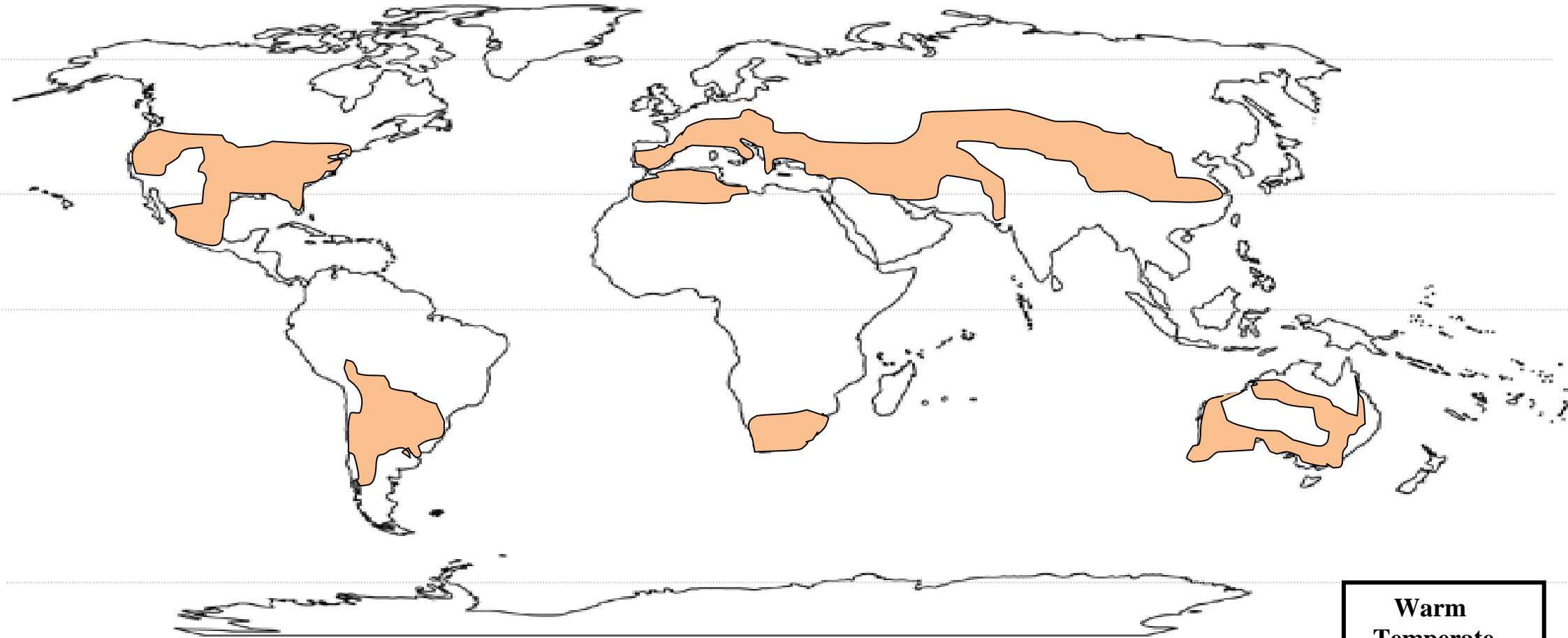


1-Using an Atlas to help you, name three countries with a Mountain climate.

_____	_____	_____
-------	-------	-------

<b>Mountain</b>	
Key	
Brown	

Name: \_\_\_\_\_




1-Using an Atlas to help you, name three countries with a Warm Temperate climate.

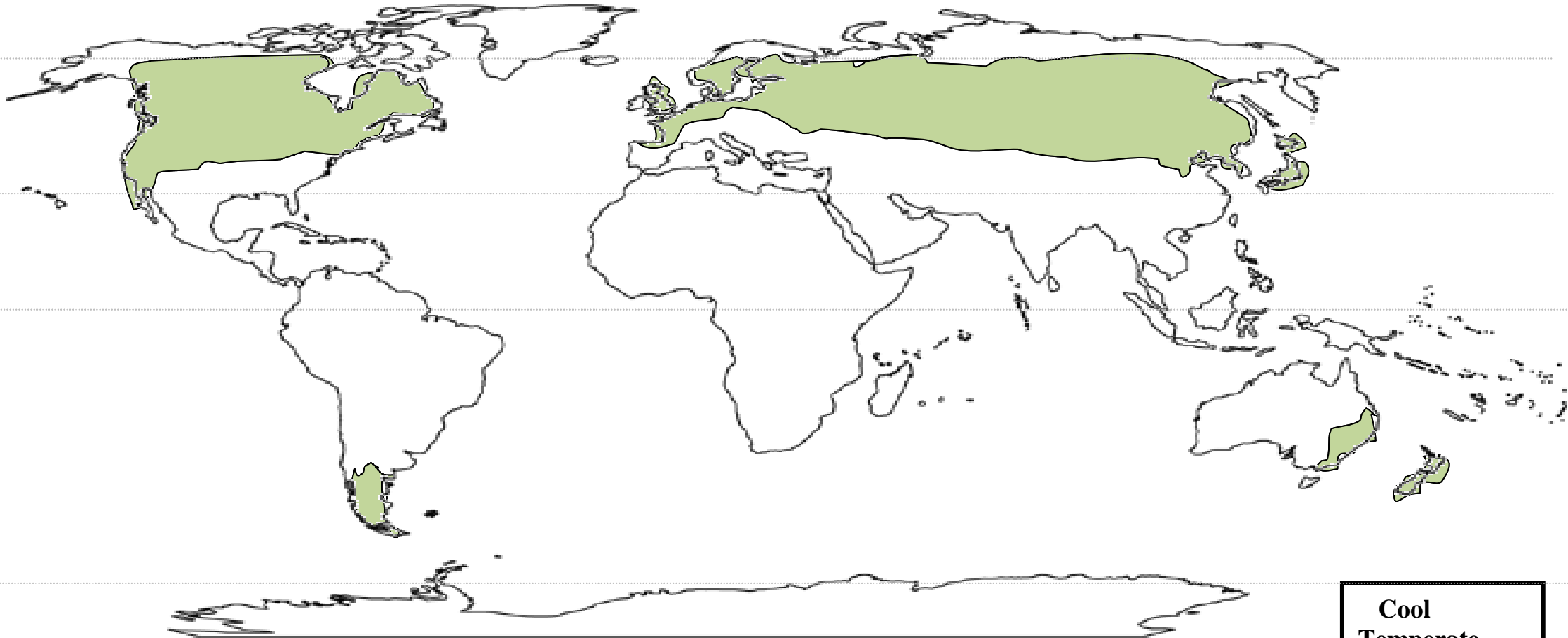
\_\_\_\_\_

**Warm  
Temperate**

Key

Brown	
-------	---


Name: \_\_\_\_\_



1-Using an Atlas to help you, name three countries with a Cool Temperate climate.



_____	_____	_____
-------	-------	-------

<b>Cool Temperate</b>	
Key	
green	

Name: \_\_\_\_\_

WS-14



*I am an expert  
on climate*



**TYPE OF CLIMATE:**

<b>Weather</b>	
Temperature	
Precipitation	
Winds	
Seasons	
<b>Where?</b>	
Continents	
Countries	
<b>What or who ?</b>	
Vegetation	
Fauna	
Human activity	
Interesting facts	

CLIMATE: \_\_\_\_\_

Where:

Weather:

Landscape:

People

Interesting facts:



Name: \_\_\_\_\_

WS-15

1-Choose the correct answer:

**What is a desert ?**

- a) A place where it usually rains.
- b) A hot place on Earth.
- c) An icy place on Earth.

**Where are deserts ?**

- a) In hot countries.
- b) In polar areas.
- c) In Catalonia.

**What is a desert like?**

- a) It looks like a big icy land.
- b) A big green land.
- c) A land covered with sand, stones or rocks.

**What kind of animals are there?**

- a) Tigers, zebras, elephants and hippopotami.
- b) Snakes, lizards, camels.
- c) Bears, penguins, seals.

**What is an oasis?**

- a) A big dry place in the desert.
- b) A place in deserts where there is water.
- c) A place with rivers and mountains.

**Why are many semi-deserts turning into deserts?**

- a) Because they are colder.
- b) Because the world is becoming hotter.
- c) Because there are no animals there.





Name: \_\_\_\_\_ (STUDENT A)

WS-16A

c

1-Complete the words in the boxes below by asking your partner :

- 1 -What's the average temperature in desert regions?
- 2- What animal lives in desert regions?
- 3-What's the weather like in desert regions?
- 4- What are desert regions like?
- 5- What is the name of the some vegetation places in desert .regions?

- 1- It is ..... degrees.
- 2- .....lives there.
- 3- It is ..... there.
- 4- They are very .....
- 5- There are .....in some places.

POLAR REGIONS	DESERT REGIONS
-30°C	.....
Penguin	.....
Cold	.....
Icy	.....
Tundra	.....



2-Ask your partner and write down the sentences below:

What's the coldest place on Earth?

A) \_\_\_\_\_ is \_\_\_\_\_ coldest \_\_\_\_\_ on \_\_\_\_\_.

B) The Inuits are native people living next to the polar areas.

Which city is built in the middle of a desert?

C) \_\_\_\_\_ in California is built in the middle of a \_\_\_\_\_.

D) The Sahara in Africa is the largest desert in the world.





Name: \_\_\_\_\_ (STUDENT B)

WS-16B

1-Complete the words in the boxes below by asking your partner :

- 1 -What's the average temperature in polar/regions?
- 2- What animal lives in polar regions?
- 3-What's the weather like in polar .regions?
- 4- What are polar .regions like?
- 5- What is the name of the some vegetation places in polar regions?

- 6- It is ..... degrees.
- 7- .....lives there.
- 8- It is ..... there.
- 9- They are very .....
- 10- There are .....in some places.

POLAR REGIONS	DESERT REGIONS
.....	60°C
.....	camel
.....	hot
.....	sandy
.....	oasis



2-Ask your partner and write down the sentences below:

A)-Antarctica is the coldest place on Earth.

What's the name for native people living next to the polar areas ?

B)-The \_\_\_\_\_ are native \_\_\_\_\_ living \_\_\_\_ to the polar areas.

C)-Las Vegas is a city built in the middle of a desert.

Which is the largest desert in the world?

D)-The \_\_\_\_\_ in \_\_\_\_\_ is \_\_\_\_\_ largest desert in the \_\_\_\_\_.

Name: \_\_\_\_\_ STUDENT A

WS-17A

1. Read, listen to your partners and agree on the title for your text. Write it on the heading line.

\_\_\_\_\_

Antarctica is a paradise of colonies of penguins. There are also polar foxes and seals there. The polar regions are most affected as a result of global warming. The polar caps are thawing. This is dangerous because of the rising of the sea level. This can damage the habitat of species, including endangered and rare species.

GLOBAL WARMING THREAT

POPULATION ON EARTH

DESERTS GETTING BIGGER

2. Ask your partner B

**QUESTION 1**

What life can we see in the deserts?

**QUESTION 2**

How much of the world's land surface do deserts cover?

**QUESTION 3**

What is happening to the deserts?

Name: \_\_\_\_\_ STUDENT B

WS-17B

1. Read, listen to your partners and agree on the title for your text. Write it on the heading line.

\_\_\_\_\_

Many people live in semi-deserts. They often keep cattle or goats that feed on the few plants that grow there. Hot deserts and semidesert regions occupy one fifth of the world's land surface. Deserts are dry, barren places, but where there is water, they are rich and fertile.

Many semi-deserts are turning into deserts. This is because the world is becoming hotter and drier.

GLOBAL WARMING THREAT

POPULATION ON EARTH

DESERTS GETTING BIGGER

2. Ask your partner C

**QUESTION 1**

What has a strong effect on humans?

**QUESTION 2**

Where are the uninhabited territories?

**QUESTION 3**

What is happening to the semi-deserts?

1. Read, listen to your partners and agree on the title for your text. Write it on the heading line.

\_\_\_\_\_

The climate has a strong effect on the life of humans and their distribution on the surface of the Earth. In the polar zones and in the tropical deserts we can see large uninhabited territories because of the hard conditions.

On the other hand, the most attractive areas are the subtropical zones, because they are considered to be the most pleasant and healthy.

GLOBAL WARMING THREAT

POPULATION ON EARTH

DESERTS GETTING BIGGER

2. Ask your partner A

**QUESTION 1**

What life can we see in Antactica?

**QUESTION 2**

What is happening to the polar cap?

**QUESTION 3**

Why is this dangerous?

A \_\_\_\_\_

Antarctica is a paradise of colonies of penguins. There are also polar foxes and seals there. The polar regions are most affected as a result of global warming. The polar caps are thawing. This is dangerous because of the rising of the sea level. This can damage the habitat of species, including endangered and rare species.

B \_\_\_\_\_

Many people live in semi-deserts. They often keep cattle or goats that feed on the few plants that grow there. Hot deserts and semidesert regions occupy one fifth of the world's land surface. Deserts are dry, barren places, but where there is water, they are rich and fertile. Many semi-deserts are turning into deserts. This is because the world is becoming hotter and drier.

C \_\_\_\_\_

The climate has a strong effect on the life of humans and their distribution on the surface of the Earth. In the polar zones and in the tropical deserts we can see large uninhabited territories because of the hard conditions. On the other hand, the most attractive areas are the subtropical zones, because they are considered to be the most pleasant and healthy.

POPULATION ON EARTH

GLOBAL WARMING THREAT

DESERTS GETTING BIGGER

Name: \_\_\_\_\_

Climate key

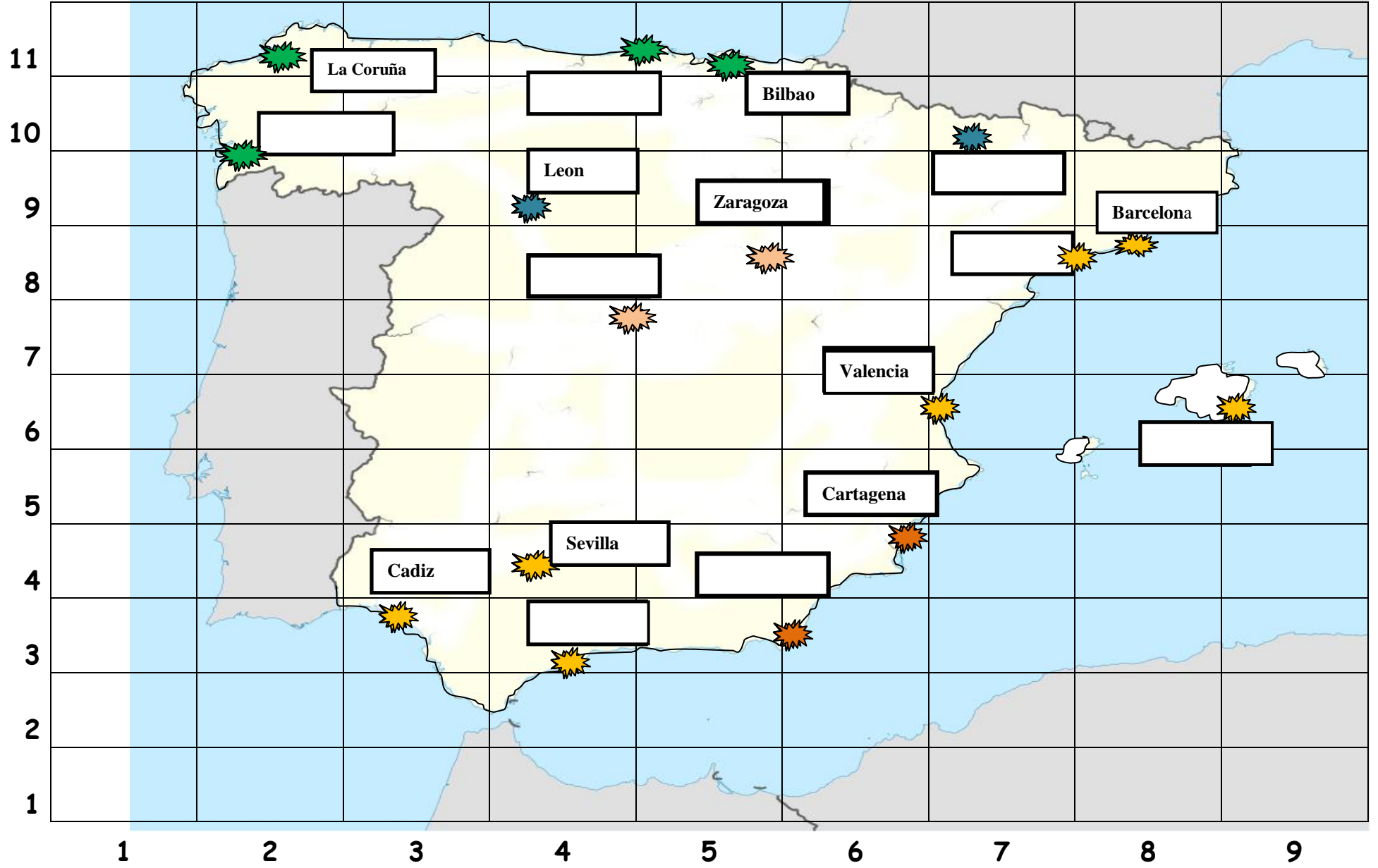
-  Continental
-  Mediterranean
-  Mountain
-  Oceanic
-  Semi-arid



Name: \_\_\_\_\_

ESTUDENT-A

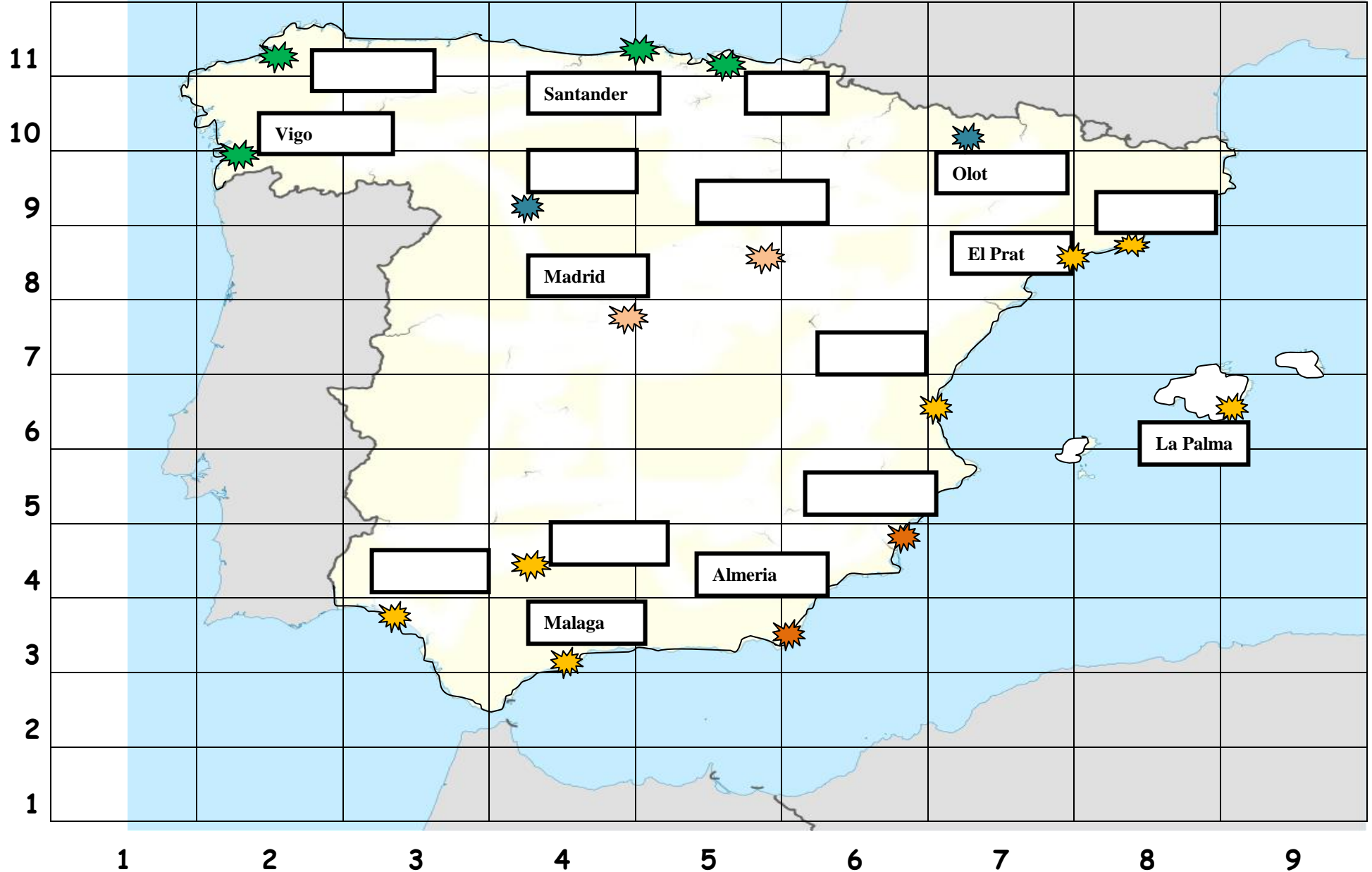
WS-20A



Name: \_\_\_\_\_

STUDENT - B

WS-20B







Name: \_\_\_\_\_

**AVERAGE TEMPERATURE AND RAINFALL**

(Write the name of the city)

<b>Rainfall mm.</b>													<b>Temperature °C</b>
<b>225</b>													<b>45</b>
<b>200</b>													<b>40</b>
<b>175</b>													<b>35</b>
<b>150</b>													<b>30</b>
<b>125</b>													<b>25</b>
<b>100</b>													<b>20</b>
<b>75</b>													<b>15</b>
<b>50</b>													<b>10</b>
<b>25</b>													<b>5</b>
<b>0</b>													<b>0</b>
	<b>Janu</b>	<b>febr</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	

❖ Looking at the graph answer the question:

What type of climate is there in \_\_\_\_\_?

**TYPE OF CLIMATE**

Name: \_\_\_\_\_

## CLIMATE AND VEGETATION

1- Look at the pictures and decide which climate you can see. Circle your answer in the box below:

### Types of climate in Spain

- Oceanic
- Mediterranean
- Semi-arid
- Continental
- Mountain

**What made you think it was that climate?**

2-Circle the correct answers:

<p><b>Continental climate can be found in:</b></p> <ul style="list-style-type: none"> <li>A- The Centre of Spain</li> <li>B- The South of Spain</li> <li>C- The North of Spain</li> </ul>	<p><b>Beech forest can be found in:</b></p> <ul style="list-style-type: none"> <li>A- Regions with an oceanic climate</li> <li>B- Regions with a Mediterranean climate.</li> <li>C- Regions with a Continental climate</li> </ul>
<p><b>In a region with a continental climate:</b></p> <ul style="list-style-type: none"> <li>A- Summers are hot and winters are cold.</li> <li>B- Summers are hot and winters are mild.</li> <li>C- Summers are cool and winters are mild.</li> </ul>	<p><b>A lot of thyme can be found in:</b></p> <ul style="list-style-type: none"> <li>A- Regions with an oceanic climate</li> <li>B- Regions with a Mediterranean climate.</li> <li>C- Regions with a Continental climate</li> </ul>
<p><b>Stipa can be found in:</b></p> <ul style="list-style-type: none"> <li>A- Murcia region.</li> <li>B- Cantabrian region.</li> <li>C- Basque country regions.</li> </ul>	<p><b>Temperature increases with altitude in:</b></p> <ul style="list-style-type: none"> <li>D- Oceanic climate.</li> <li>E- Mountain climate.</li> <li>F- Semi-arid climate.</li> </ul>

## CLIMATE AND VEGETATION

2- Look at the pictures and decide which climate you can see. Circle your answer in the box below:

### Types of climate in Spain

Oceanic  
Mediterranean  
Semi-arid  
Continental  
Mountain

What made you think it was that climate?

2-Circle the correct answers:

<b>Continental climate can be found in:</b>	<b>Beech forest can be found in:</b>
A- The North of Spain. B- <u>The Centre of Spain.</u> C- The South of Spain.	A- <u>Regions with an Oceanic climate.</u> B- Regions with a Mediterranean climate. C- Regions with a Continental climate
<b>In a region with a continental climate:</b>	<b>A lot of thyme can be found in:</b>
A- Summers are hot and winters are mild. B- Summers are cool and winters are mild. C- <u>Summers are hot and winters are cold.</u>	A- Regions with an oceanic climate. B- Regions with a Mediterranean climate. C- <u>Regions with a Continental climate</u>
<b>Stipa can be found in:</b>	<b>Temperature increases with altitude in:</b>
A- <u>Murcia region.</u> B- Cantabrian region. C- Basque country regions.	A- Oceanic climate. B- <u>Mountain climate.</u> C- Semi-arid climate.

Name: \_\_\_\_\_

# Warming experiment

## Observing rising water levels

### STEP 1



What are we investigating?

---

### Equipment needed:

- ✚ 3 measuring jugs (A,B,C).
- ✚ 3 lumps of ice (the same volume).
- ✚ 3 colanders
- ✚ Some water.
- ✚ A clock.
- ✚ Three thermometer.



### Instructions:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

What will happen to the water in the three jugs?

I think \_\_\_\_\_.

Will the water rise to the same level in the three jugs? \_\_\_\_\_.

Will the same amount of ice melt? \_\_\_\_\_.

**Observing rising water level**

WS-24 back

**STEP 2****1st. Observation**

	Outside <b>Jug A</b>	In the room <b>Jug B</b>	On the heater <b>Jug C</b>
Time			
Temperature			
Level			

**2nd. Observation**

	Outside <b>Jug A</b>	In the room <b>Jug B</b>	On the heater <b>Jug C</b>
Time			
Temperature			
Level			

**3rd. Observation**

	Outside <b>Jug A</b>	In the room <b>Jug B</b>	On the heater <b>Jug C</b>
Time			
Temperature			
Level			

Name: \_\_\_\_\_

**Observing rising water level:**

**STEP 3: Conclusions**

1) Draw the three jugs.

JUG A	JUG B	JUG C

2) What happened? \_\_\_\_\_

\_\_\_\_\_

3) Was your prediction right? \_\_\_\_\_

4) What will happen to the level of the sea if the Earth's average temperature increases ?

\_\_\_\_\_

\_\_\_\_\_

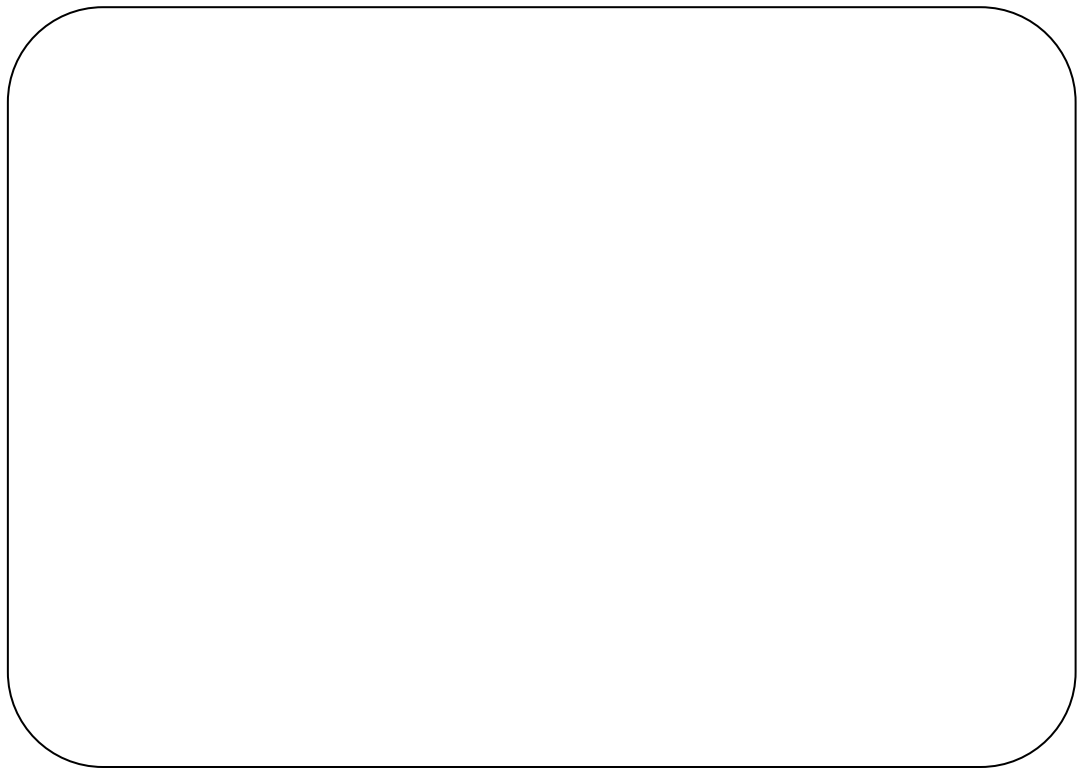
# Warming experiment

1- Decode the secret message:



\_\_\_\_\_

2- Draw a picture of the instruction



Code:

➔	★	❖	◆	⌘	④	⚙	■	①	☾	☎	⊠	◯
a	b	c	d	e	f	g	h	i	j	k	l	m
A	B	C	D	E	F	G	H	I	J	K	L	M

⑤	●	⚭	➔	⌘	⑩	⓪	◻	☺	x	↑	☑	
n	o	p	q	r	s	t	u	v	w	x	y	z
N	O	P	Q	R	S	T	U	V	W	X	Y	Z



Name: \_\_\_\_\_

DESERTS group

WS-26B

# Warming experiment

1- Decode the secret message:

☰ ● ↻ ↻ ■ ☰ ↻ ■ ☰ ☰ ✕ ● ✕ → ④ ◆ ☰ ✕ ⑩ ● ③ ☰ → ✕ ■ ☯ ● ☰ .

2- Draw a picture of the instruction.

Code:

→	☯	✕	◆	☰	④	☰	■	①	☯	☰	☰	○
a	b	c	d	e	f	g	h	i	j	k	l	m
A	B	C	D	E	F	G	H	I	J	K	L	M

③	●	☰	→	✕	⑩	↻	○	□	☺	x	↑	☑
n	o	p	q	r	s	t	u	v	w	x	y	z
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

Name: \_\_\_\_\_

POLARS group

WS-26C

# Warming experiment

1- Decode the secret message:

⌘⌘○●□⌘ Ⓛ■⌘ ①❖⌘ ④✖●○ Ⓛ■⌘ ❖●③Ⓛ→①③⌘⑩.

2- Draw a picture of the instruction.

Code:

→	⊛	❖	◆	⌘	④	⚙	■	①	☯	☎	⌘	○
a	b	c	d	e	f	g	h	i	j	k	l	m
A	B	C	D	E	F	G	H	I	J	K	L	M

③	●	Ⓡ	✈	✖	⑩	Ⓛ	●	□	😊	x	↑	☑
n	o	p	q	r	s	t	u	v	w	x	y	z
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

Name: \_\_\_\_\_

WARMERS group

WS-26D

# Warming experiment

1- Decode the secret message:

☰ ⬇️ ⬆️   ● Ⓢ ⌘   ☰ ① ⌘ ❖ ⌘   ● 4   ① ❖ ⌘   ① Ⓢ   ⌘ → ❖ ■   ❖ ● ☒ → Ⓢ ◆ ⌘ ✕ ⑩.

\_\_\_\_\_

2- Draw a picture of the instruction.

Code:

➔	⊕	❖	◆	⌘	④	⚙️	■	①	☺	☎️	☒	○
a	b	c	d	e	f	g	h	i	j	k	l	m
A	B	C	D	E	F	G	H	I	J	K	L	M

Ⓢ	●	☰	➔	✕	⑩	⬇️	⊙	□	☺	x	↑	☑️
n	o	p	q	r	s	t	u	v	w	x	y	z
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

Name: \_\_\_\_\_

COOLS group

WS-26E

# Warming experiment

1- Decode the secret message:

⌘⌘❖●⌘◆ ◡■⌘ ◡⌘○◡⌘⌘→◡◡⌘⌘ ①③ ⌘→❖■ ◡⌘→❖⌘.

\_\_\_\_\_

2- Draw a picture of the instruction.

Code:

→	⊛	❖	◆	⌘	④	⚙	■	①	☯	☎	⌘	○
a	b	c	d	e	f	g	h	i	j	k	l	m
A	B	C	D	E	F	G	H	I	J	K	L	M

③	●	◡	→	⌘	⑩	◡	○	□	😊	×	↑	☑
n	o	p	q	r	s	t	u	v	w	x	y	z
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

Name: \_\_\_\_\_

MOUNTAINS group

WS-26F

# Warming experiment

1- Decode the secret message:

☰ ● ↓ ⚡ → ❖ ■ ☯ ○ ⚙ ① ③ ↓ ■ ⚡ ❖ ● ✕ ✕ ⚡ ⑩ ☰ ● ③ ◆ ① ③ ⚙ ☰ ☒ → ❖ ⚡.

2- Draw a picture of the instruction.







Code:

→	⊕	❖	◆	⚡	④	⚙	■	①	☯	☎	☒	○
a	b	c	d	e	f	g	h	i	j	k	l	m
A	B	C	D	E	F	G	H	I	J	K	L	M

③	●	☰	→	✕	⑩	↓	○	□	☺	x	↑	☑
n	o	p	q	r	s	t	u	v	w	x	y	z
N	O	P	Q	R	S	T	U	V	W	X	Y	Z


## INSTRUCTIONS

WS-26A,B,C,D,E,F

-  Fill the jugs with one litre of water.
-  Put the three colanders on each jug.
-  Remove the ice from the containers..
-  Put one piece of ice in each colander.
-  Record the temperature in each place.
-  Put each jug in the corresponding place.

Name: \_\_\_\_\_

WS-27

1-Read the text  and circle the best word to complete the sentences.

# Sea level rise

Global warming may make the sea level become 1) **HIGHER** -**LOWER** -**SLOWER**. Warmer weather makes 2) **GLACIERS** - **MOUNTAINS** - **FORESTS** melt.

Scientists think the sea has risen partly because of melting glaciers and sea 3) **ICE** - **SHELLS** - **CREATURES** . When some glaciers melt, they release 4) **FISH** - **MILK** - **WATER** into the sea and make it higher than it was before. Scientists also think that warmer 5) **CLIMATE** - **TEMPERATURE**- **WEATHER** in the sea makes it rise even more .

This will affect both natural systems and manmade structures along 6) **COASTLINES** - **RADSIDES** - **MOTORWAYS**. Coastal flooding could cause saltwater to flow into 7) **AREAS** - **CITIES** - **COUNTRIES** where salt is harmful, threatening plants and 8) **CATS** - **HUMANS** - **ANIMALS** in those areas.

## Sea level rise

Global warming may make the sea level become **higher**. Warmer weather makes **glaciers** melt.

Scientists think the sea has risen partly because of melting glaciers and sea **ice** . When some glaciers melt, they release **water** into the sea and make it higher than it was before. Scientists also think that warmer **temperature** in the sea makes it rise even more .

This will affect both natural systems and manmade structures along **coastlines**. Coastal flooding could cause saltwater to flow into **areas** where salt is harmful, threatening plants and **animals** in those areas.

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Name: \_\_\_\_\_ Date: \_\_\_\_\_ WS-28A

1-Read the text. Think about the question below and write down the answers.

\_\_\_\_\_

The glaciers on the Spanish side of the Pyrenees are melting fast.. Total surface area has dropped from 1779 hectares in 1894 to 290 in 2000, representing a fall of 85% in of surface area. 52% of this has occurred in the last 20 years, and 30% between 1991 and 2001.

What happens ? \_\_\_\_\_.

Where? \_\_\_\_\_.

When? \_\_\_\_\_.

2-Choose an appropriate title for the text.

**Iberia most affected by climate change**

**Climate change threat to Sierra Nevada Flora**

**Pyrenean glaciers melting fast**

3-Be ready to tell to your partner.



Name: \_\_\_\_\_ Date: \_\_\_\_\_

WS-28B

1-Read the text. Think about the question below and write down the answers.

\_\_\_\_\_

The unique plant communities of the high Sierra Nevada appear to be under threat from rising temperatures. A rise of 1.2°C has been detected in the province of Granada over the last 20 years, which although not much in itself has been enough to endanger 65 endemic plants, most of which are only to be found in the highest altitudes of the range.

What happens ? \_\_\_\_\_.

Where? \_\_\_\_\_.

Why? \_\_\_\_\_.

2-Choose an appropriate title for the text.

**Iberia most affected by climate change**

**Climate change threat to Sierra Nevada Flora**

**Pyrenean glaciers melting fast**

3-Be ready to tell to your partner.



Name: \_\_\_\_\_ Date: \_\_\_\_\_

WS-28C

1-Read the text. Think about the question below and write down the answers.

\_\_\_\_\_

According to a new report by the EEA (European Environment Agency), Spain and Portugal will be most affected within the EU by coming climate change. Storms, floods and droughts are likely to become more and more frequent with a significant rise in temperature expected. The report notes that temperature in Europe has increased 0.95 degrees over the last 100 years. This increase has been greatest in the Iberian Peninsula and Western Russia.

What happens ? \_\_\_\_\_.

Where? \_\_\_\_\_.

Why? \_\_\_\_\_.

2-Choose an appropriate title for the text.

**Iberia most affected by climate change**

**Climate change threat to Sierra Nevada Flora**

**Pyrenean glaciers melting fast**

3-Be ready to tell your partner



### **Pyrenean glaciers melting fast**

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[Read complete article](#)

### **Climate change threat to Sierra Nevada Flora**

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[Read complete article](#)

November 29th, 2009

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[Read complete article](#)

- 1- Decide the appropriate title for the three news with your partners and write on the heading above.

**"GLOBAL WARMING"**

**"CLIMATE CHANGE IN SPAIN"**

**"THE MELTING GLACIARS"**