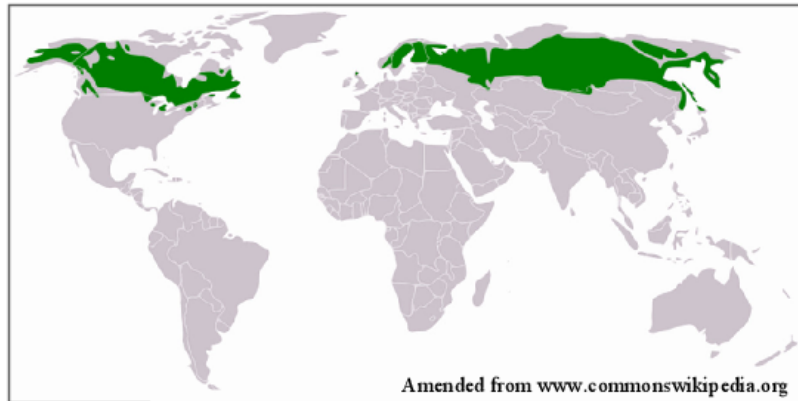


Question 1

10B. CLIMATE



Examine the map above.

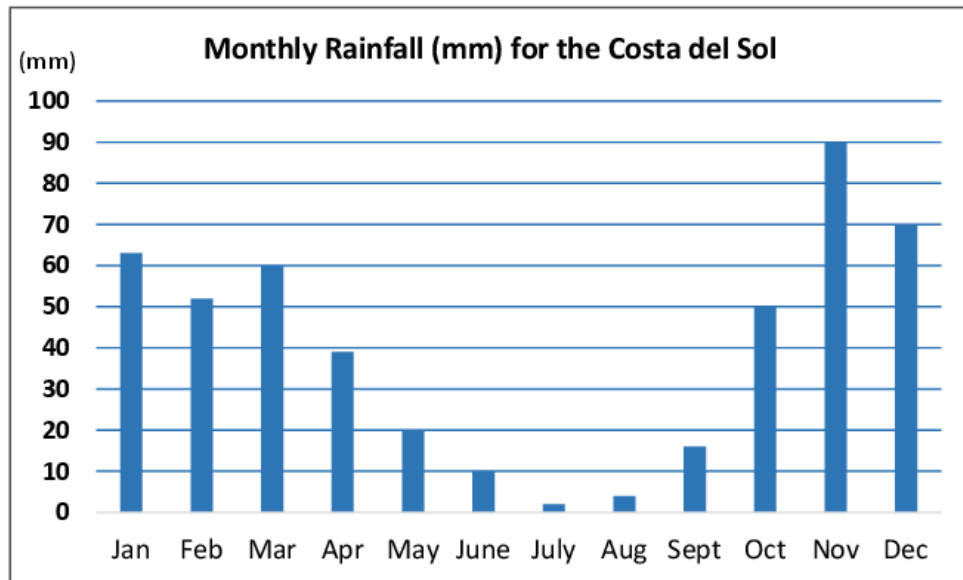
The climate experienced in the area shaded green on the map above is:

- Mediterranean
- Savanna
- Boreal
- Warm temperate oceanic

Tick (✓) the correct box.

Question 2

11. WEATHER STATISTICS



Examine the graph above showing monthly rainfall for the Costa del Sol and answer each of the following questions.

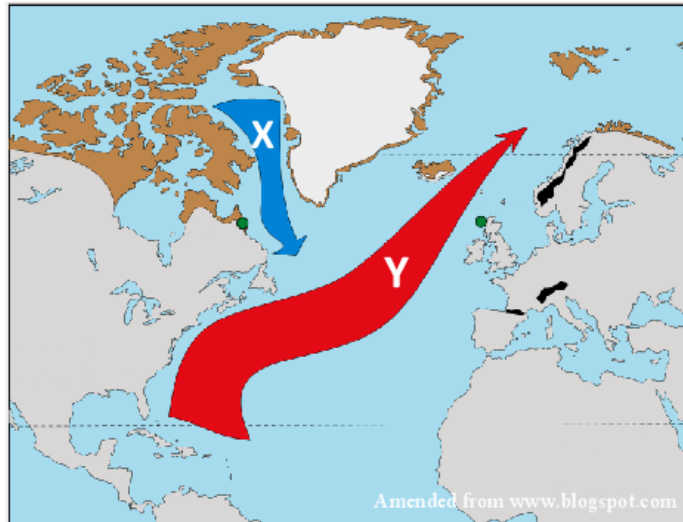
- (i) Which month had the lowest level of rainfall?

- (ii) What was the monthly rainfall (mm) in May?

- (iii) Calculate the average rainfall (mm) for the three months of October, November and December.

Question 3

A. Ocean Currents



- (i) Name the ocean current labelled X and the ocean current labelled Y.
- (ii) Explain **two** effects that the ocean current Y has on the climate of Ireland.

(10)

Question 4

B. Irrigation

- (i) State what is meant by the term *irrigation*.
- (ii) Name any **one** irrigation scheme that you have studied.
- (iii) Explain **two** advantages of this irrigation scheme.

(10)

Question 5

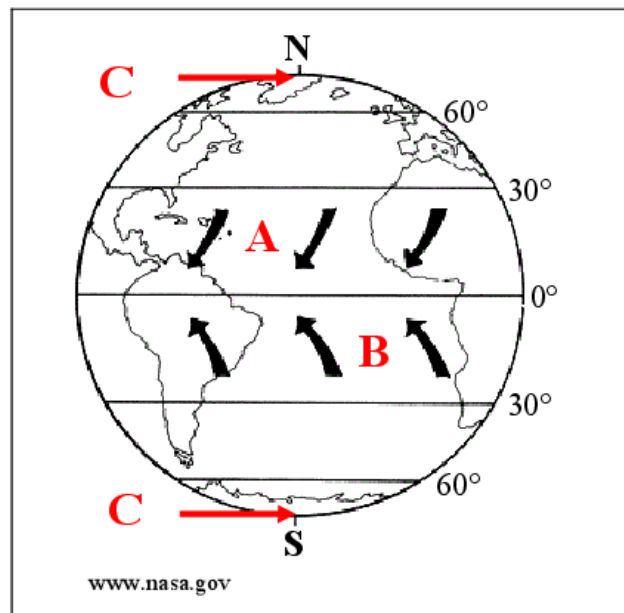
C. Desertification

- (i) Explain **one** natural cause and explain **one** human cause of desertification.
- (ii) Describe **two** effects of desertification.

(10)

Question 6

4. GLOBAL PATTERNS



Examine the diagram above.

Circle the correct answer in each of the following statements.

- (i) The winds at **A** are *warm winds* / *cold winds*.
- (ii) The winds at **B** are *south-easterly trade winds* / *north-easterly trade winds*.
- (iii) An area of *high pressure* / *low pressure* is found at **C**.

Question 7

12B. CLIMATE

The climate experienced between 55° north and the Arctic Circle is known as:

- Equatorial
- Savanna
- Boreal
- Mediterranean

Tick (✓) the correct box.

Question 8

9B. CLIMATE



www.depositphotos.com

This cartoon illustrates the effect of:

Acid rain

Plate tectonics

Weathering

Global warming

Tick (✓) the correct box.

Question 9

A. Climate Type

- (i) Name **one cold** climate that you have studied.
- (ii) Explain the temperature **and** precipitation characteristics of this **cold** climate.
- (iii) Describe **one** way that natural vegetation has adapted to this **cold** climate.

(10)

Question 10

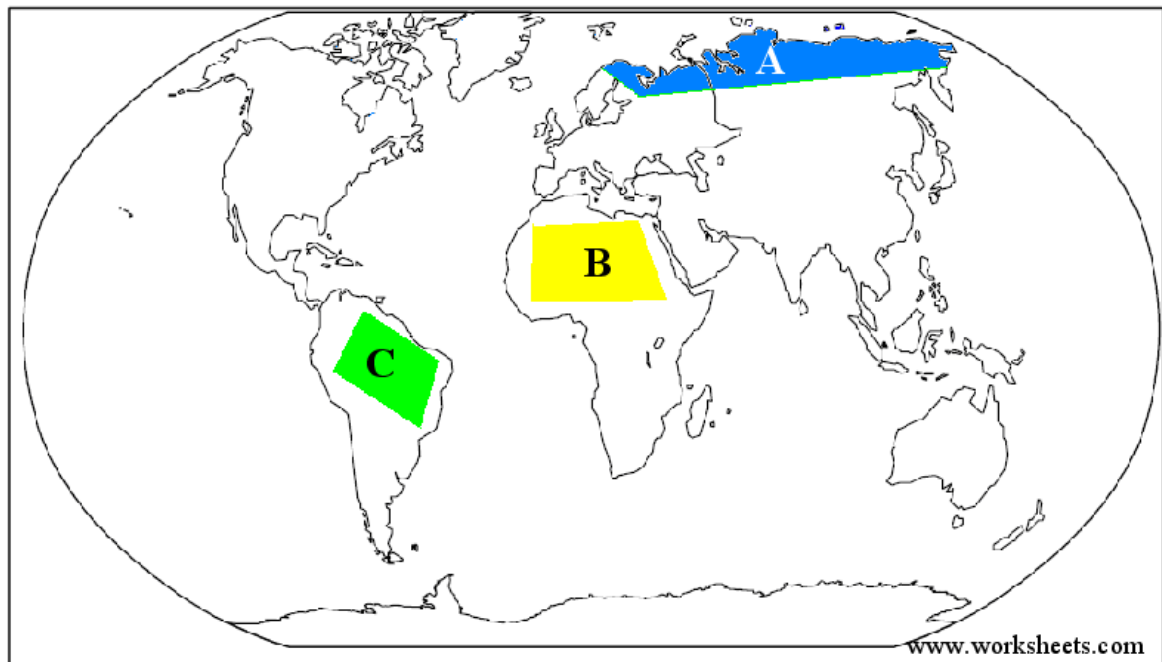
C. Drought

- (i) Name an area that experiences severe drought **and** explain why drought occurs in this area.
- (ii) Describe and explain the impacts of drought on human activity in this area.

(10)

Question 11

3C. World Climates



Examine the map above which shows the location of three of the world's climatic regions.

- (i) Name the type of climate at each of the locations A, B, and C.
- (ii) Explain the characteristics of any **one** climate type that you have studied.

(10)

Question 12

- A.
 - (i) Name **one** hot climate.
 - (ii) Name **one** temperate climate.
 - (iii) Name **one** cold climate.

(6)
- B. Select **one** climate and describe it in detail referring to temperatures and precipitation.

(12)
- C. Factors affecting climate include:
 - Latitude
 - Distance from the seas and oceans
 - Prevailing winds
 - Altitude
 - Relief
 - Aspect.

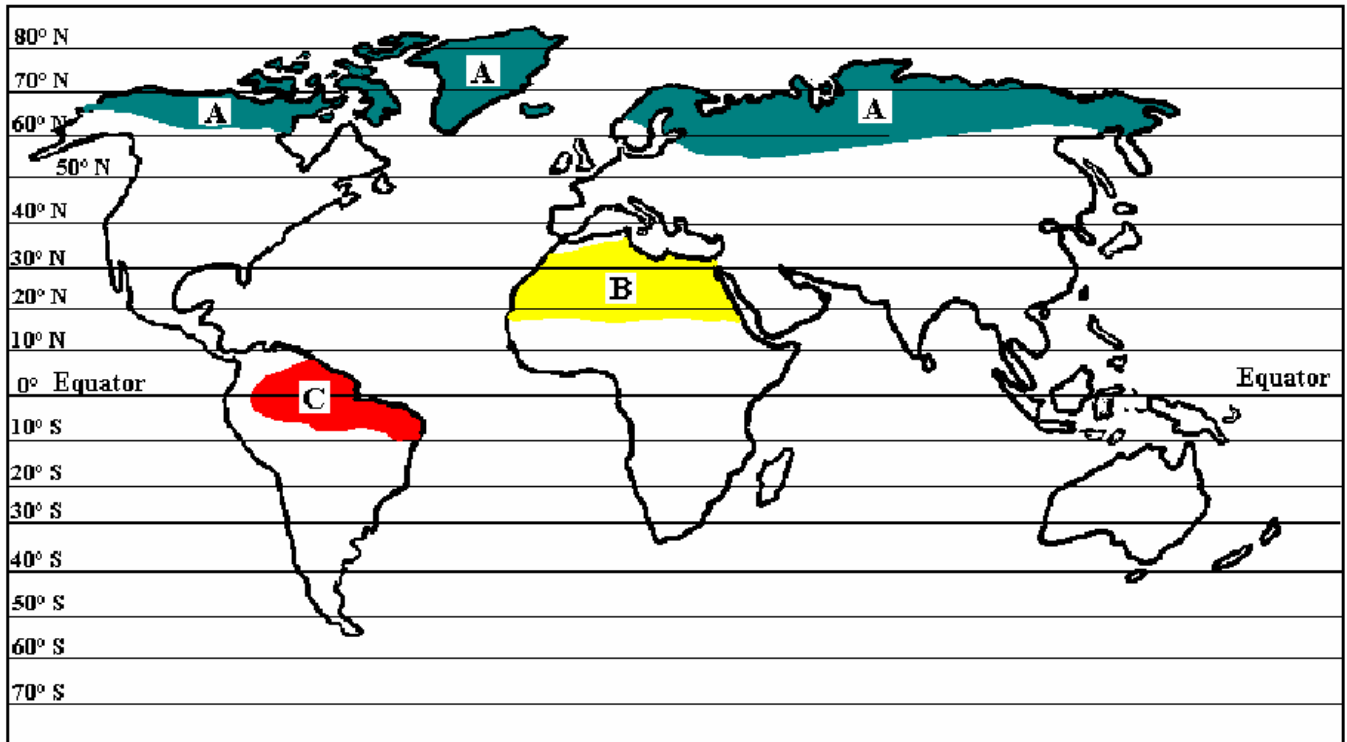
Select any **three** of these factors and explain how each one affects climate.

(12)

Question 13

6. CLIMATES

The map shows the location of each of **three** climate types.



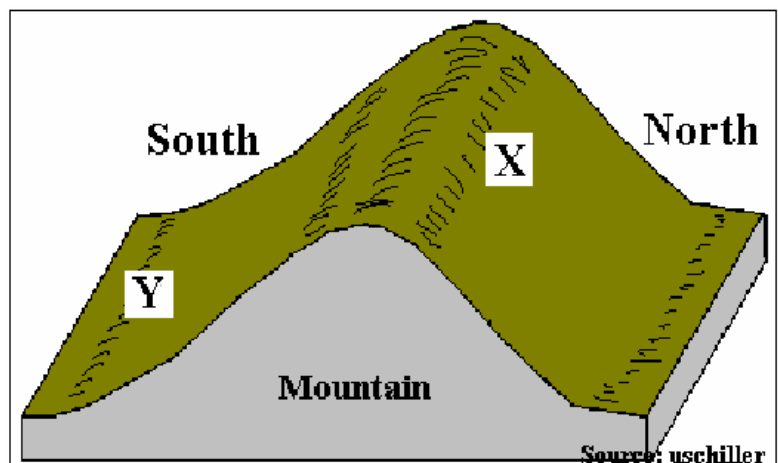
Name the climate in **each** region shown in the spaces provided.

- (i) The climate in region A: _____
- (ii) The climate in region B: _____
- (iii) The climate in region C: _____

Question 14

A. The diagram shows a mountainous area in Europe.

Explain **two** reasons why you would expect the place labelled X on the diagram to be colder than the place labelled Y.



(10)

Question 15

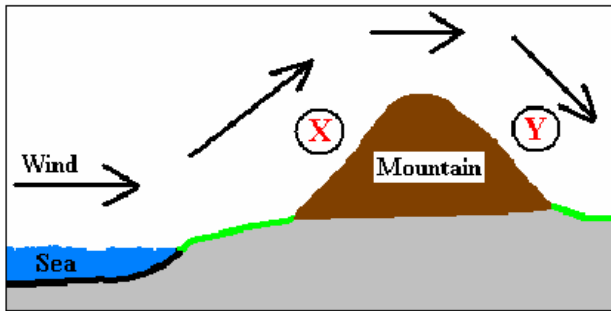
Explain how climate has hindered (slowed down) the development of **one** named **developing** country.

(10)

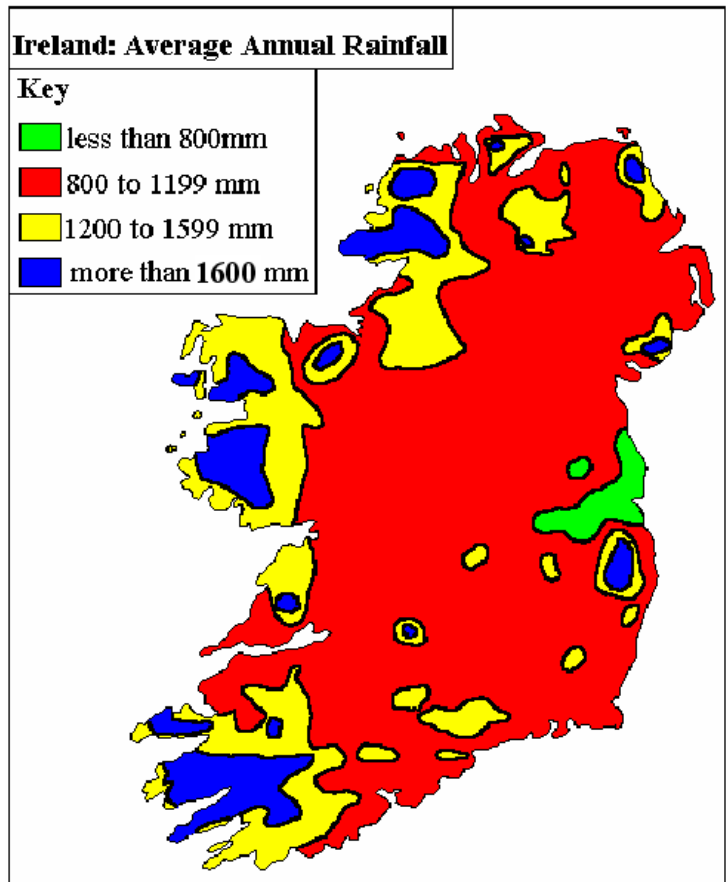
Question 16

- A. The map shows annual precipitation (rainfall) in millimetres throughout Ireland.
The diagram shows the movement of air blowing in from the sea over a mountain.

Diagram



Map

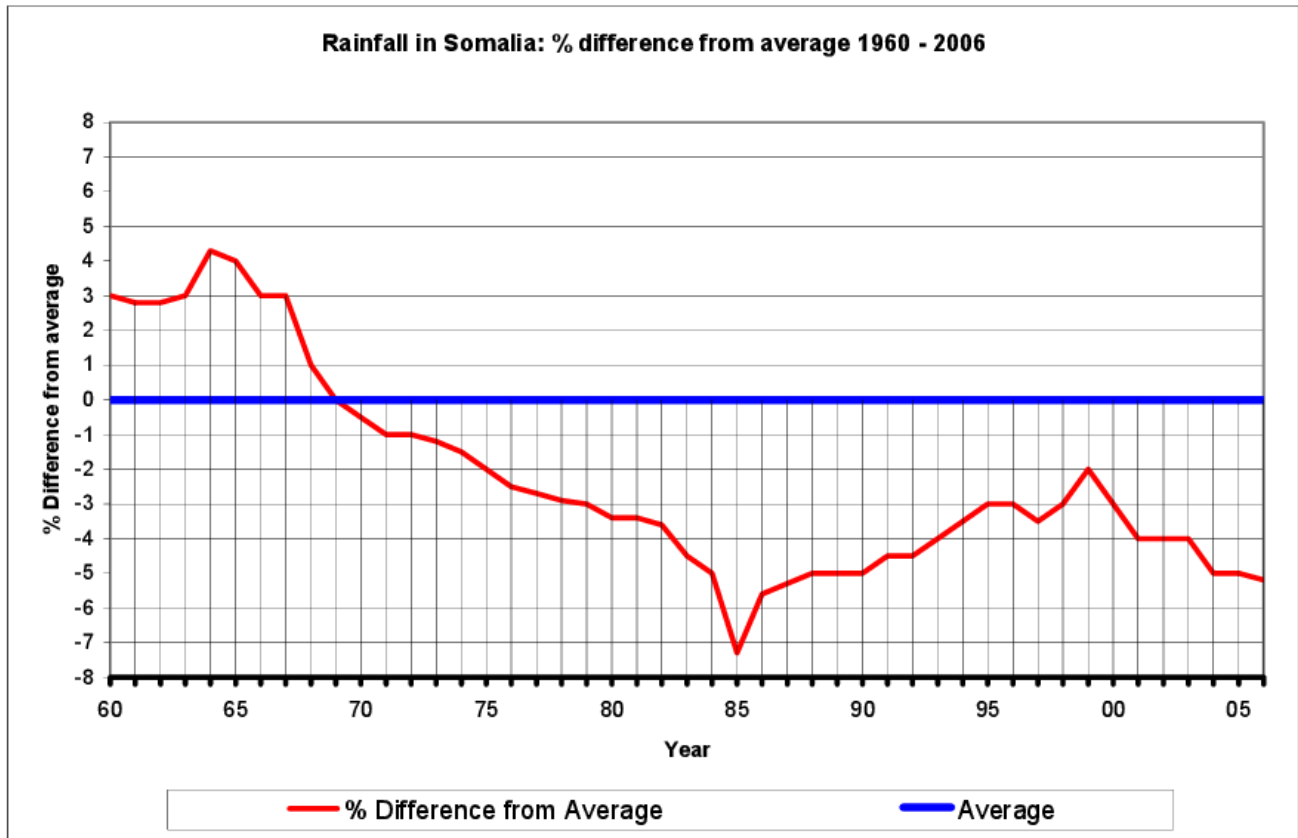


- (i) What is the annual rainfall at Dublin City? (2)
- (ii) What name is given to lines on maps which show places of equal precipitation? (2)
- (iii) Explain why the place labelled X on the diagram could be expected to have higher precipitation than the place labelled Y. (6)

Question 17

C. Some African countries suffer because climate change may result in a shortage of precipitation.

The graph shows how rainfall levels changed over time in Somalia between 1960 and 2006.



- (i) Name the year that had the least rainfall. (1)
- (ii) Name the year that had the most rainfall. (1)
- (iii) Describe **three** effects which a severe shortage of rain might have on the development of a country such as Somalia. ...

Question 18

Examine the temperature and precipitation statistics for a town in Central Europe

	J	F	M	A	M	J	J	A	S	O	N	D
Temperature (°C)	-4.5	-0.5	2.5	6.0	8.5	12.5	16.0	17.5	12.5	6.5	2.0	-1.0
Precipitation (mm)	11	15	42	36	62	75	99	97	31	32	24	19

Circle the correct answer in **each** of the following statements:

- (i) The warmest month is *July / August*.
- (ii) The annual temperature range is $22^{\circ}\text{C} / 13^{\circ}\text{C}$
- (iii) A *hygrometer/rain gauge* was used to measure rainfall levels to make this chart.

Question 19

“Climate helps to make some parts of Europe attractive to tourists”.

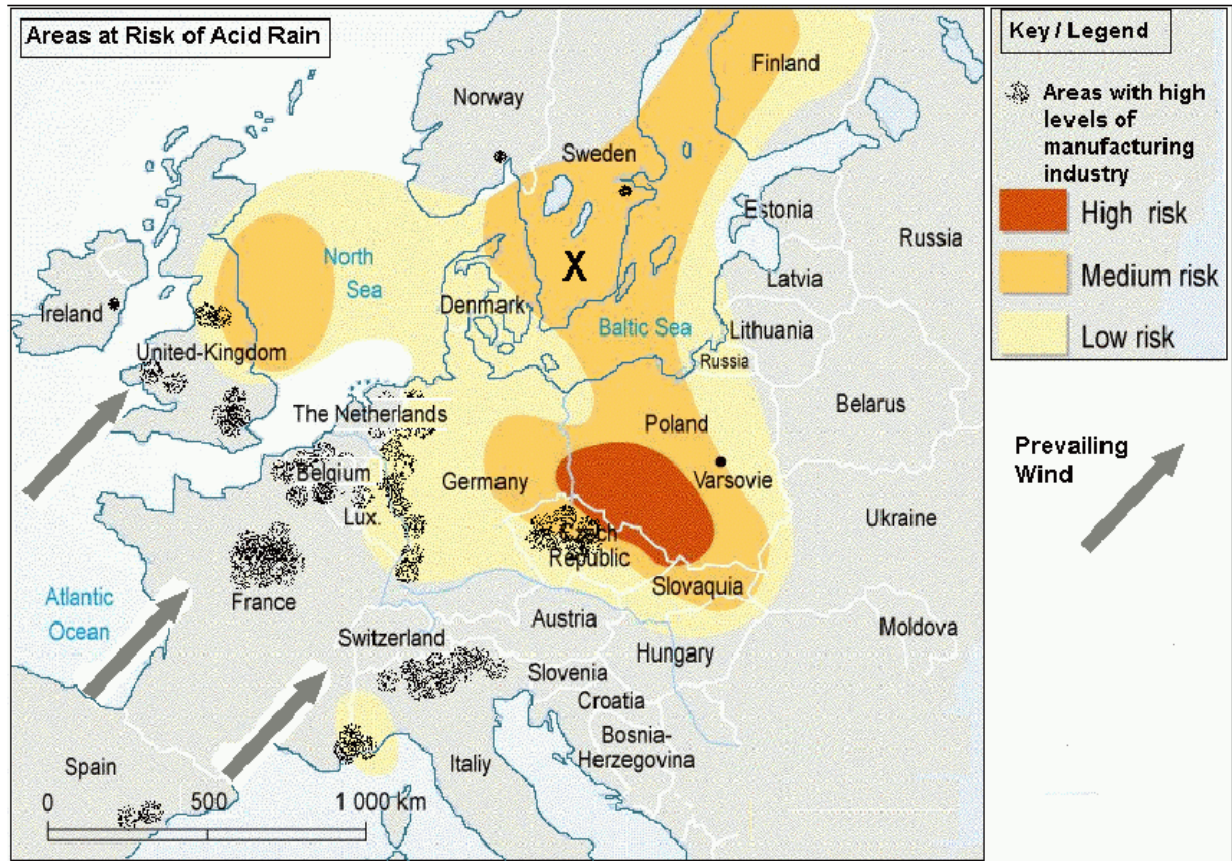
Explain this statement, referring to **one** European country or region which you have studied.

(11)

Question 20

(i) Explain how industrial activities can cause acid rain.

The map shows clusters of manufacturing industry and acid rain levels in Western Europe.



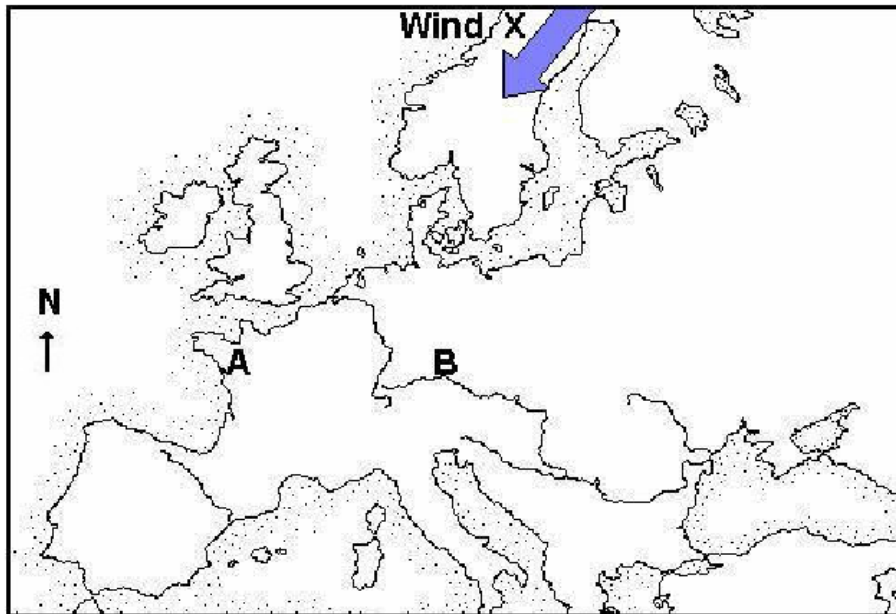
(ii) The area labelled X on the map is lightly populated and is not heavily industrialised.

Suggest then why the area labelled X suffers from high levels of acid rain.

(10)

Question 21

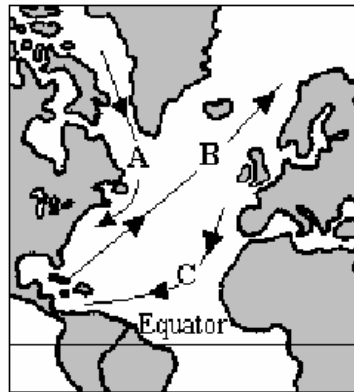
Examine the map which shows part of Europe:



- (i) State which of the two places, A or B, has warmer summers and colder winters and explain why.
- (ii) Explain how the prevailing wind labelled X would affect the climate of the lands over which it blows. (10)

Question 22

The map shows **three** ocean currents of the North Atlantic.



- (i) Name the ocean current labelled A _____
- (ii) Name the ocean current labelled B _____
- (iii) Say whether the ocean current labelled C is a warm or a cold current. _____