

**WARNING**

You must return this paper with your answer book, otherwise marks will be lost.

Write your Examination Number here



**Coimisiún na Scrúduithe Stáit  
State Examinations Commission**

---

**JUNIOR CERTIFICATE EXAMINATION, 2004**

---

**GEOGRAPHY - HIGHER LEVEL**

**SECTION 1 - FOLDER**

---

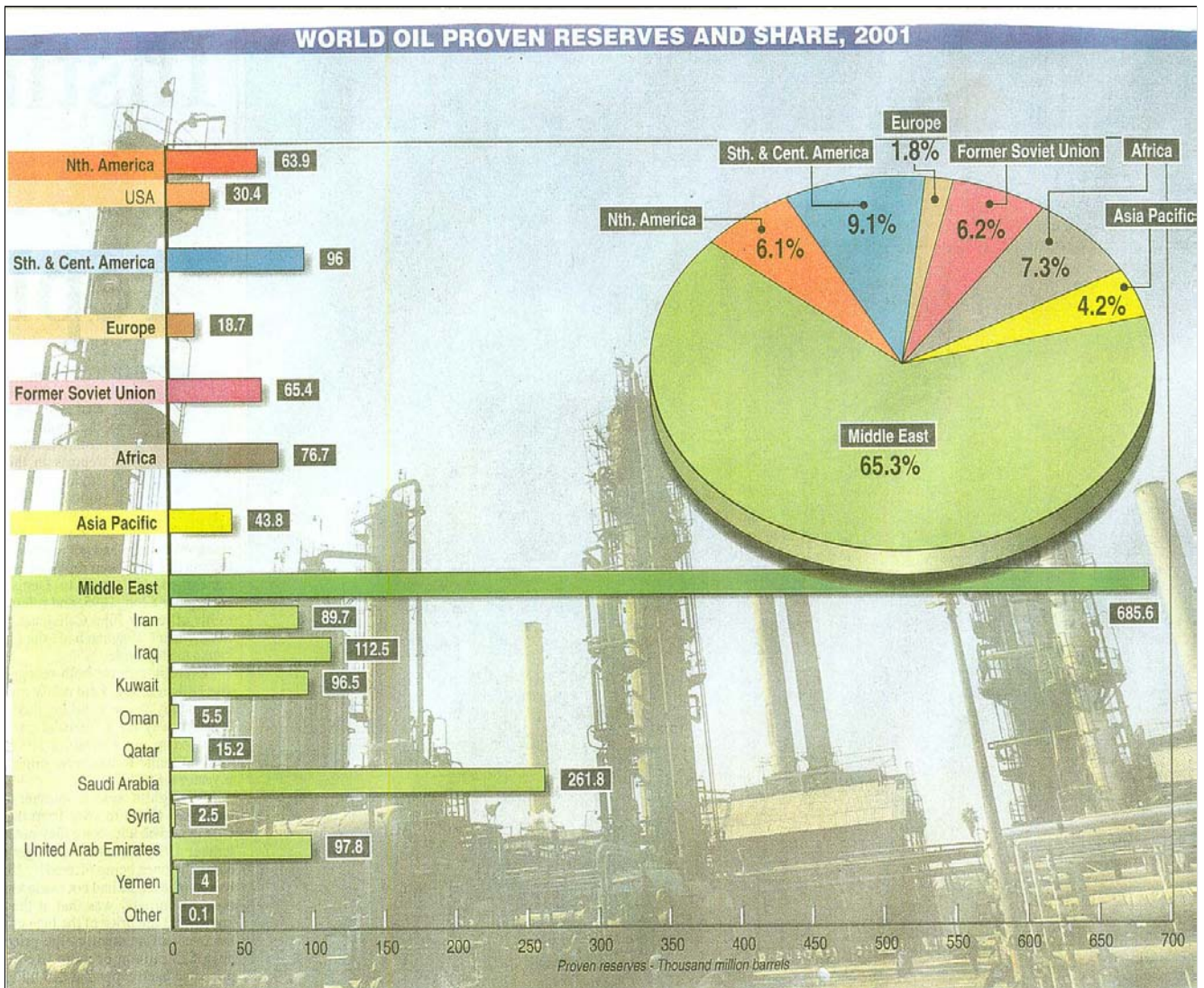
MONDAY 14<sup>th</sup> JUNE - AFTERNOON, 1.30 TO 3.30

---

**SECTION 1 (60 MARKS)**

**ALL** questions to be answered. You have  
an either / or choice *within* 3 questions.  
Be sure to return this folder with your answerbook,  
otherwise, marks will be lost.

# 1. WORLD OIL RESOURCES



Read the statements below. Not all the statements are true.

1. The Middle East has 65.3% of proven oil reserves.
2. Europe has the smallest % of proven oil reserves.
3. North, South and Central America have a smaller % of oil reserves than the former Soviet Union.
4. Saudi Arabia has 261.8 thousand million barrels of oil reserves.
5. Iraq has less oil reserves than the U.S.A.

The correct statements are numbered.

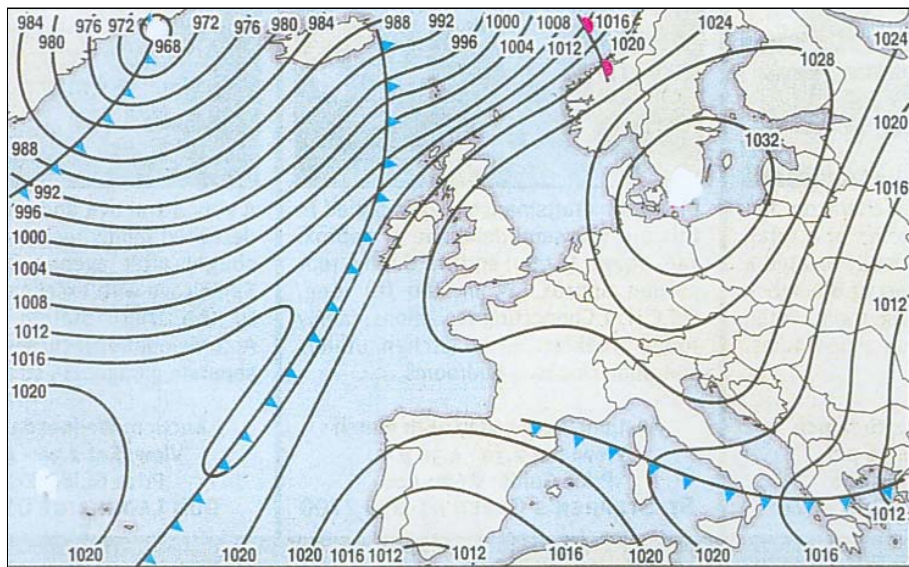
Tick (✓) the correct box.

1	2	3	
2	4	5	
1	3	5	
1	2	4	

## 2. WEATHER MAP

Examine the weather map and answer the questions below:

- (i) **Insert** the word *HIGH* in an appropriate place on the map.
- (ii) **Circle** the correct word in *each* of the sentences below.
- Winds to the west of Ireland are **strong / gentle**.
  - As the cold front crosses Ireland it will bring **sunshine and higher temperatures / rainfall and lower temperatures**.



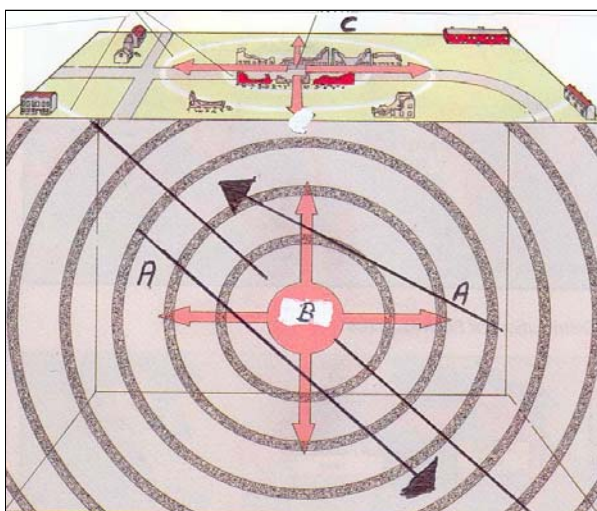
**ANSWER EITHER 3A OR 3B**

**3A. EARTHQUAKES**

Examine the diagram below which shows how an EARTHQUAKE happens.

*In the box provided, insert each of the labels A, B, and C shown on the diagram with its matching term: EPICENTRE; FOCUS; COLLIDING PLATES.*

TERM	LETTER
<b>Epicentre</b>	
<b>Colliding Plates</b>	
<b>Focus</b>	



**OR**

**3B WEATHERING**

The photograph shows the effects of weathering on a public monument. This is the result of:

Physical Weathering

Biological Weathering

Sunny Weather

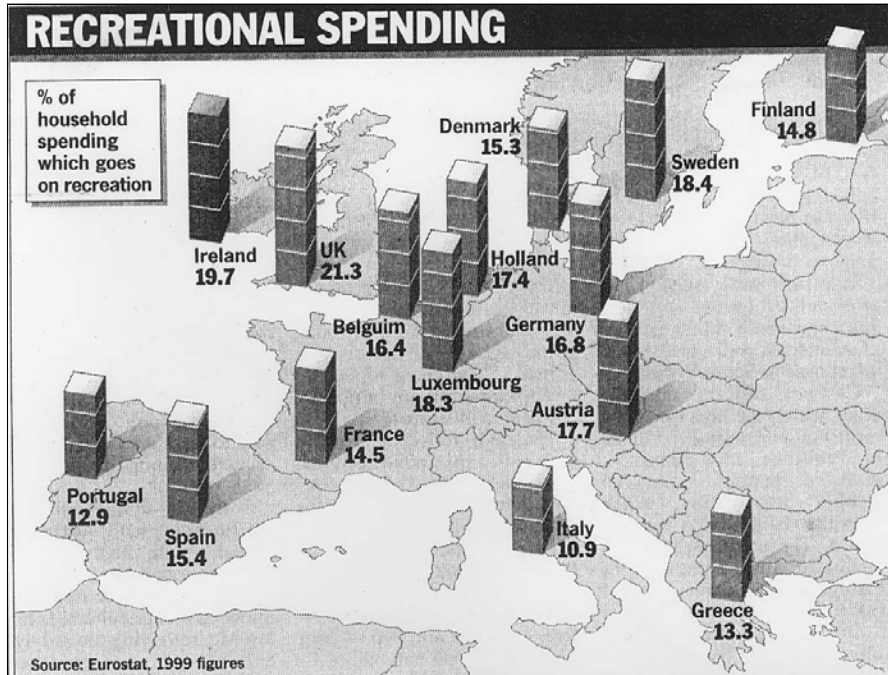
Chemical Weathering



*Tick (✓) the correct box.*

#### 4. RECREATIONAL SPENDING

Examine the map which shows spending on Recreation as a % of household spending.

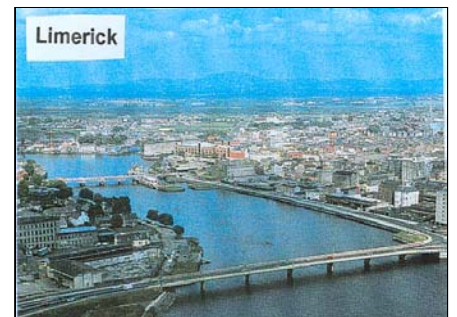
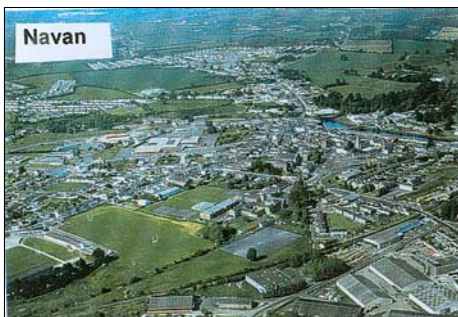


Name the **three** countries with the highest % spending on Recreation.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

#### 5. LOCATION OF TOWNS

Study the Photographs below which show the location of three towns.



Match the name of the town with the description of its location.

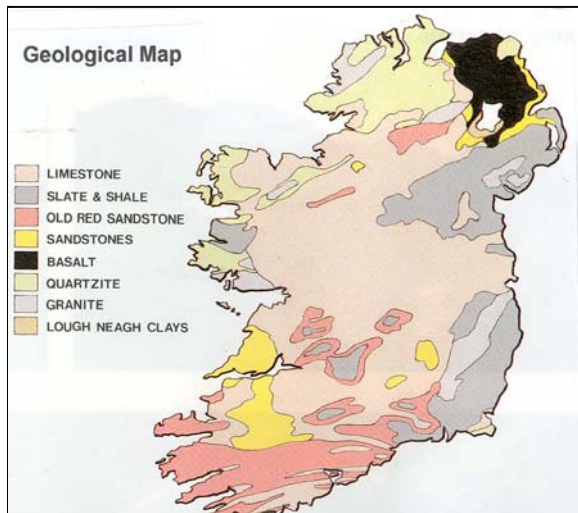
Write your answer in the box provided.

NAME OF TOWN	DESCRIPTION
	Was an ideal Defensive Site near a river.
	Is located at a Bridging Point.
	Is a Nodal Point on a river where roads meet.

**ANSWER EITHER 6A OR 6B**

**6A. GEOLOGICAL MAP OF IRELAND**

Examine the Geological Map of Ireland and answer the questions that follow:



Name the **principal** rock found at the following locations.

The rock \_\_\_\_\_ is found in the NORTH EAST.

The rock \_\_\_\_\_ is widespread in the MIDLANDS.

**OR**

**6B. DONEGAL TOWN PLAN**

Examine the town plan of Donegal and answer the questions that follow



(i) What placename in Donegal Town suggests that this is a market town.

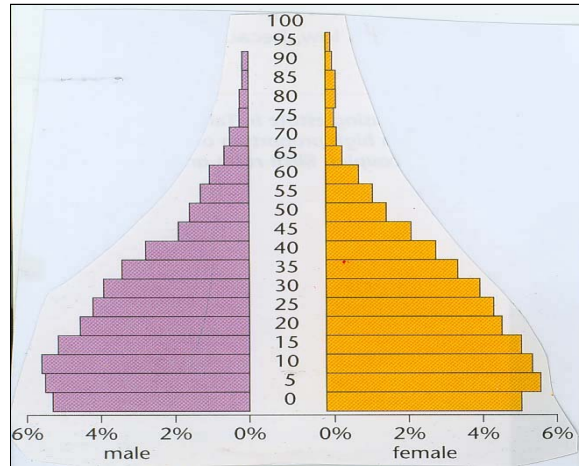
\_\_\_\_\_

(ii) Identify a piece of evidence that suggests this town was once a defence settlement.

\_\_\_\_\_

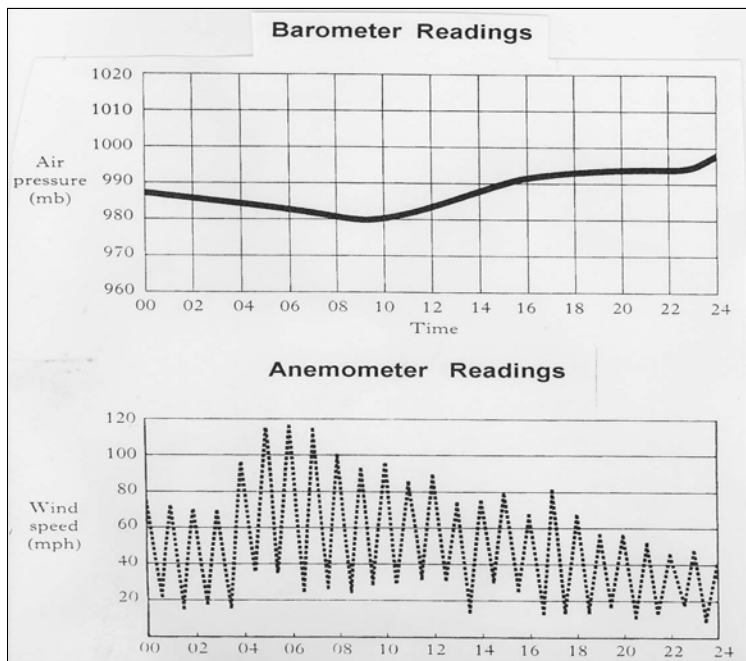
## 7. POPULATION STRUCTURE

The diagram shows the population structure of a country.



- (i) What is the name given to a diagram such as this \_\_\_\_\_
- (ii) **Circle the correct answer in each of the following statements.**
- This population structure refers to a **Developed Country / Developing Country**.
  - The percentage of the population under 5 years is **5 % , 10 % , 22 %** .

## 8. WEATHER RECORDING



Read the statements below. Not all are true.

1. Between 8am and 10am Air Pressure was 980 millibars.
2. Between 4am and 8am wind speed increased.
3. Wind speed increased as air pressure increased.
4. As air pressure fell wind speed increased.
5. Wind speed reached its fastest at the end of the 24 hour period.

The correct statements are numbered. Tick (✓) the correct box.

- |   |   |   |                          |
|---|---|---|--------------------------|
| 1 | 3 | 5 | <input type="checkbox"/> |
| 1 | 2 | 3 | <input type="checkbox"/> |
| 1 | 2 | 4 | <input type="checkbox"/> |
| 3 | 4 | 5 | <input type="checkbox"/> |

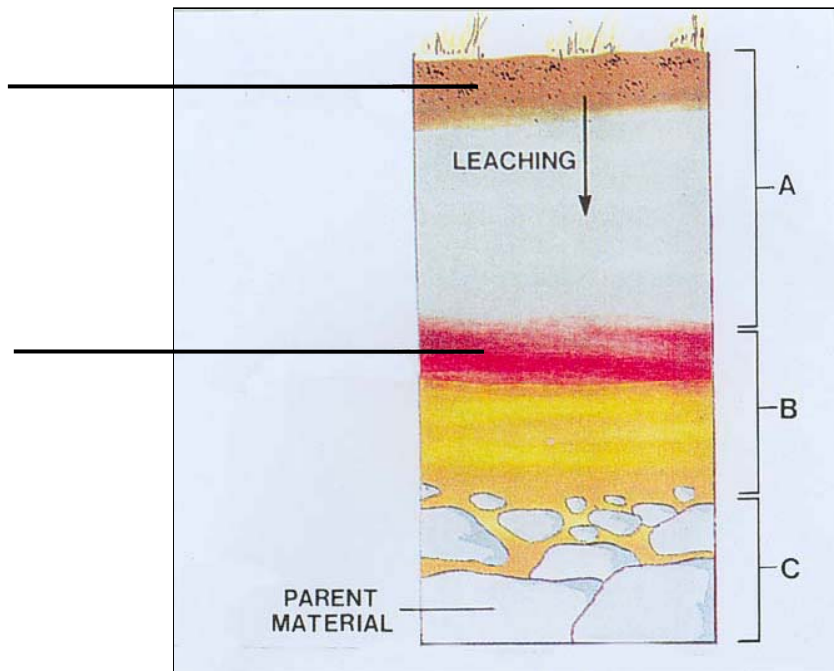
## 9. INDUSTRIAL LOCATION

Suggest **three** reasons why Ireland is an attractive location for Multi-National Companies.

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_

## 10. SOIL

The diagram shows a Soil Profile of a soil which has been Leached.



- ❑ Insert the words **HUMUS** and **HARDPAN** at the appropriate place on the lines provided.
- ❑ **Circle** the correct answer in the sentence below:

This type of soil is known as a **Brown Earth / Podzol**.



**ANSWER EITHER 11A OR 11B**

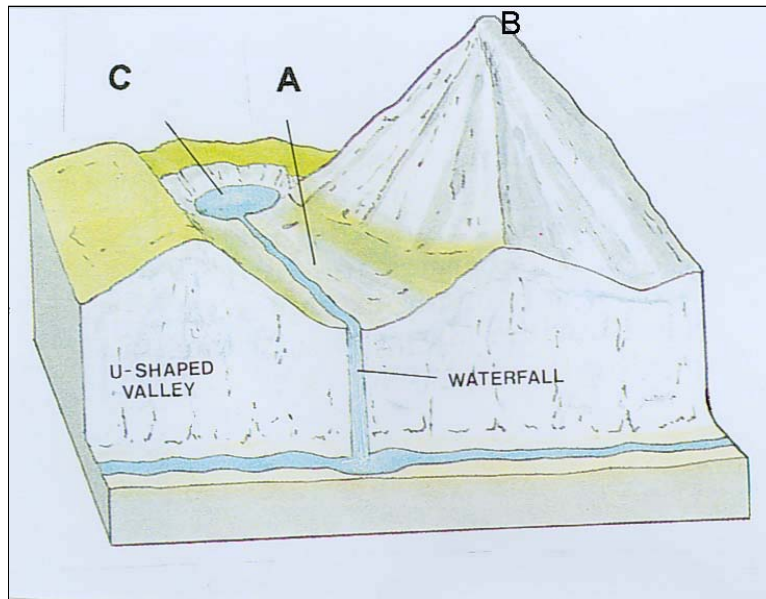
**11A. GLACIAL FEATURES**

The diagram shows an upland area that has been Glaciated.

*In the box provided, insert each of the labels A, B, and C shown on the diagram with its matching term:*

**Corrie, Hanging Valley and Pyramidal Peak.**

TERM	LETTER
Corrie	
Hanging Valley	
Pyramidal Peak	



**OR**

**11B. COASTAL FEATURES**

**Study the photograph and sketch of coastal landforms.**

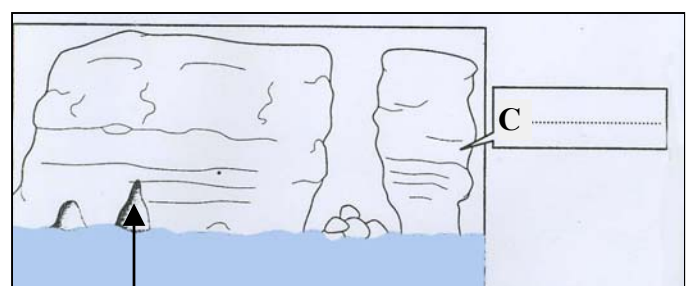
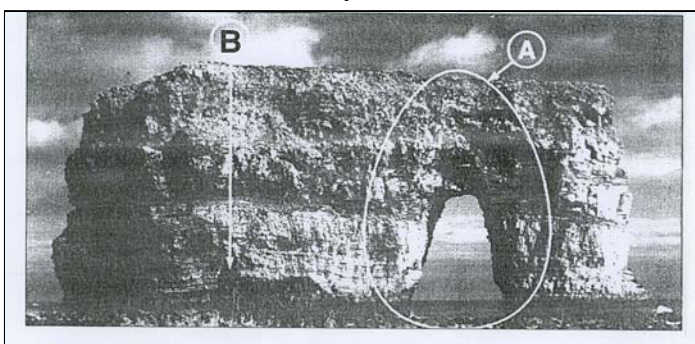
This photograph was taken in 1984.

The sketch shows the same coastline in the year 2001.

❑ *Name the coastal features marked A and B.*

A \_\_\_\_\_ B \_\_\_\_\_

❑ *On the sketch, label the feature C.*



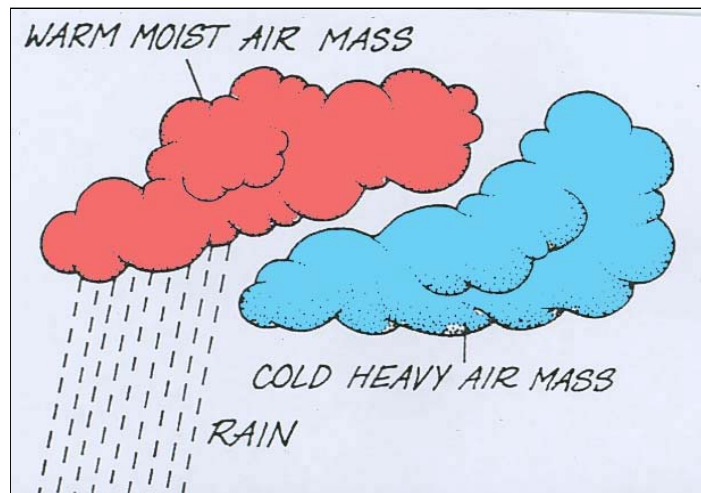
**B**

## 12. RAINFALL

The type of Rainfall shown in the diagram below is:

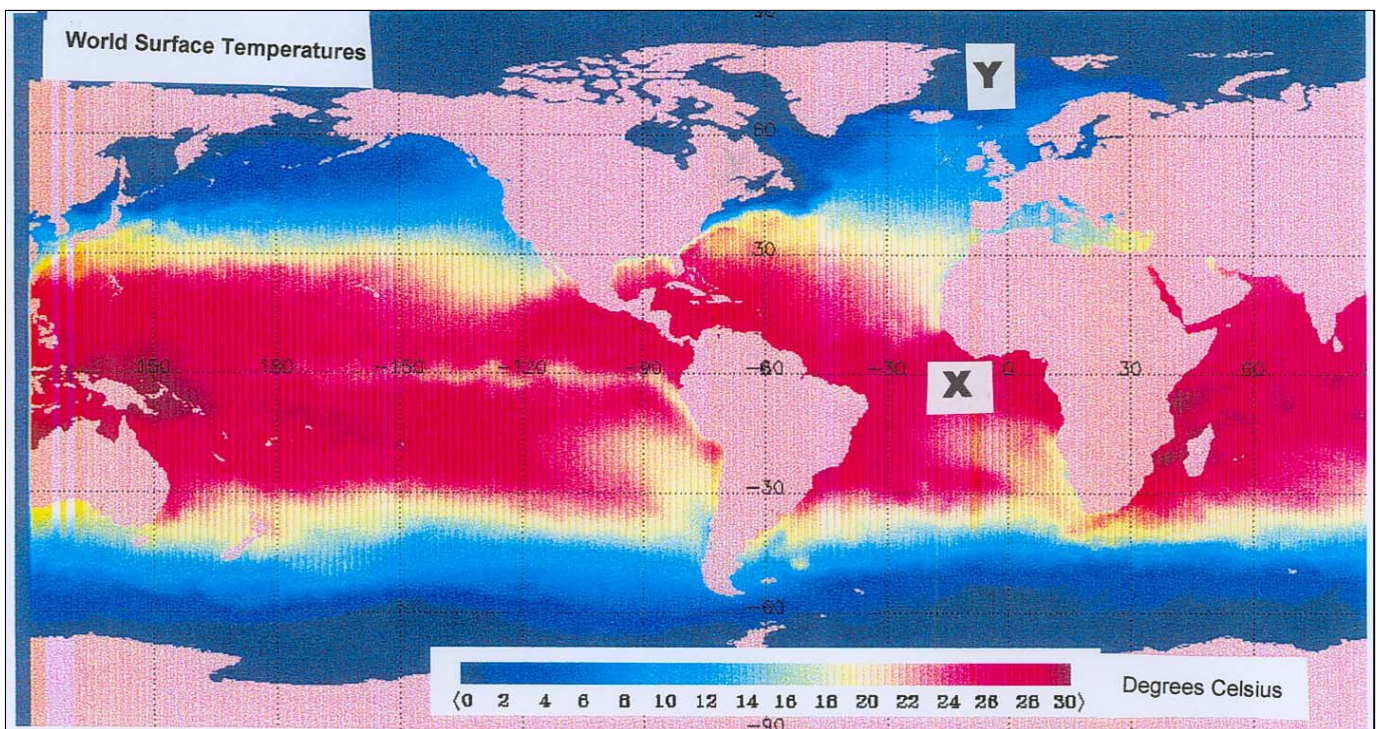
- Relief Rainfall
- Frontal Rainfall
- Light Rainfall
- Convective Rainfall

Tick (✓) the correct box.



## 13. FACTORS AFFECTING CLIMATE

Examine the map of **World Sea Surface Temperatures**.

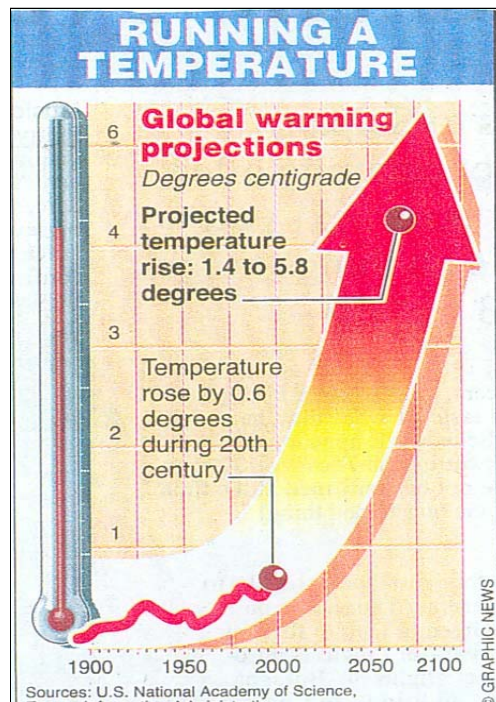


Can you suggest a reason why the sea surface temperatures at X are higher than those at Y?

Answer \_\_\_\_\_

## 14. GLOBAL WARMING

Examine the diagram provided “Running a Temperature” and answer the questions that follow.



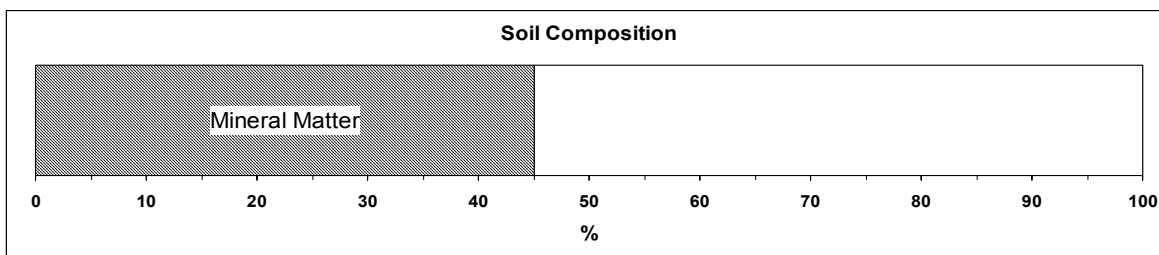
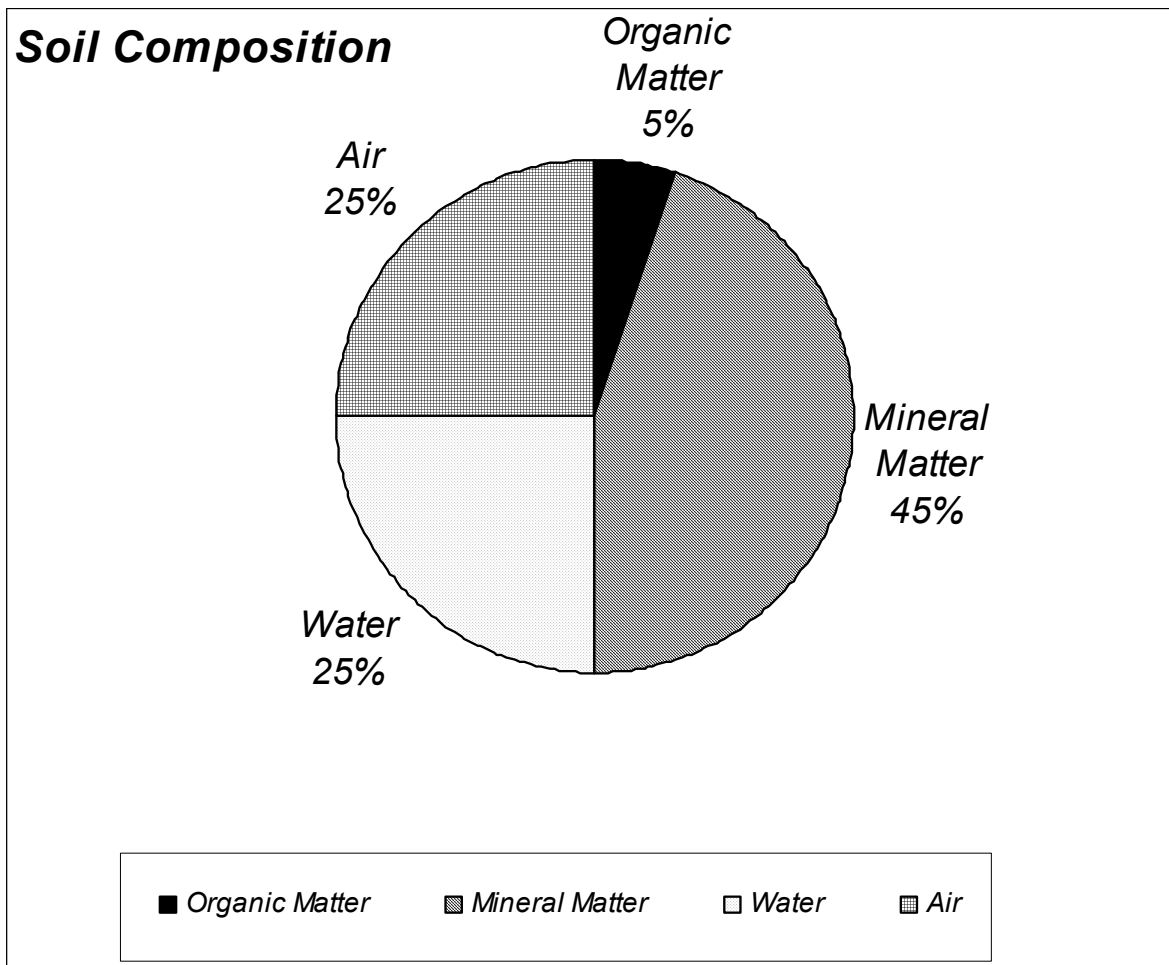
**Circle** the correct answer in *each* of the following sentences:

- (i) During the twentieth century temperatures rose by **1.4°C** / **0.6°C**.
- (ii) By the year 2100 temperatures are expected to rise by between **0.6°C to 1.4°C** / **1.4°C to 5.8°C**.
- (iii) The main cause of Global Warming is the increase in **CO<sub>2</sub> emissions** / **Acid Rain**.

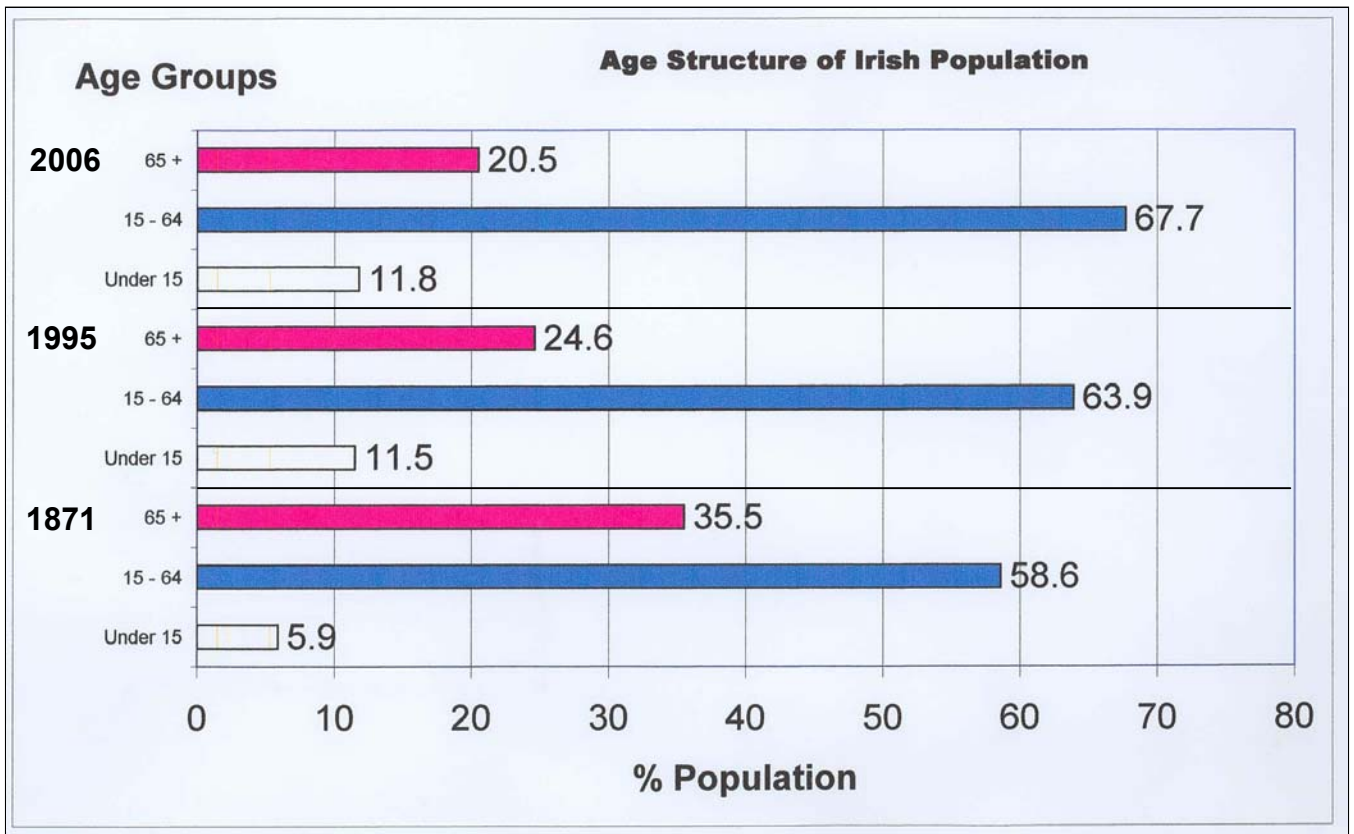
## 15. STATISTICAL SKILLS

The pie-chart shows the Composition of Soil.

Complete and label the divided rectangle, using the information on the pie-chart.



16. IRELAND'S POPULATION



Read the statements below. Not all are true.

1. In 1995 63.9% of the population was between 15 and 64.
2. By 2006 the % of the population over 65 will increase when compared to 1995.
3. The % of the population over 65 was more in 1871 than in 1995.
4. There was an increase in the % of the population over 65 each year.
5. The % of the population under 15 was smaller in 1871 than in 1995.

The correct statements are numbered.

Tick (✓) the correct box.

- |   |   |   |                          |
|---|---|---|--------------------------|
| 1 | 2 | 3 | <input type="checkbox"/> |
| 2 | 4 | 5 | <input type="checkbox"/> |
| 1 | 3 | 5 | <input type="checkbox"/> |
| 1 | 3 | 4 | <input type="checkbox"/> |

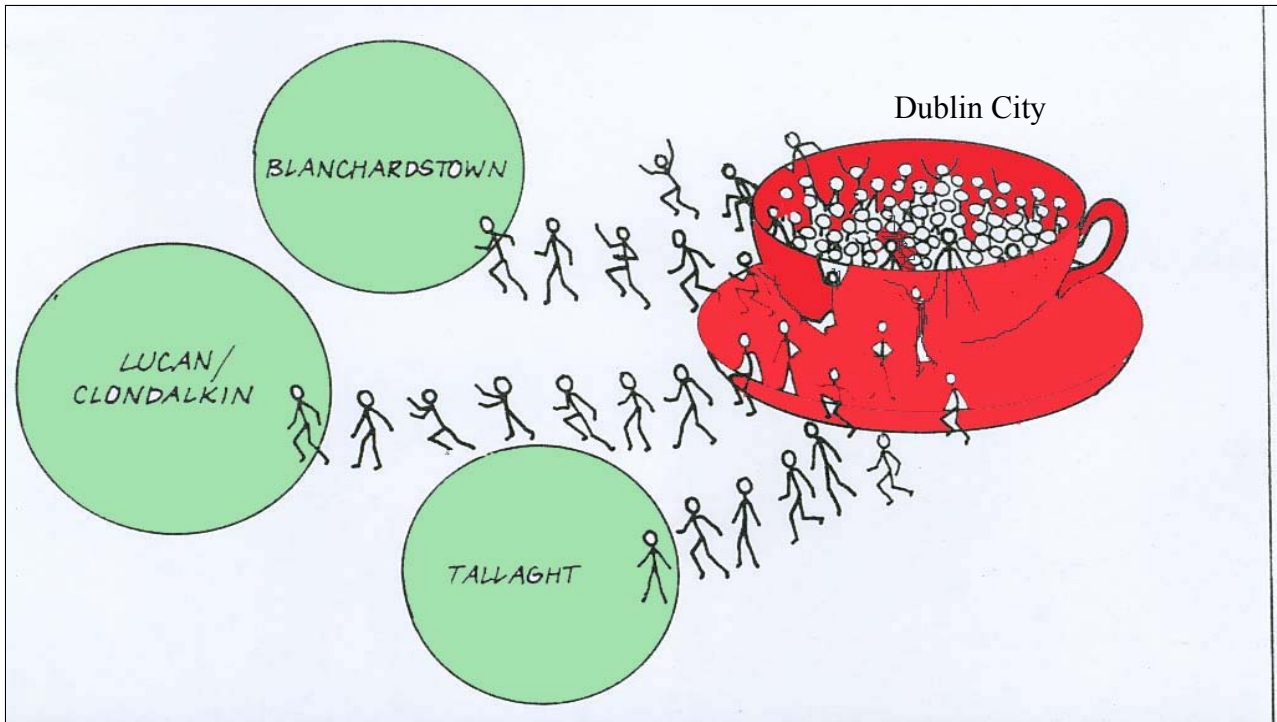
**17. URBAN GEOGRAPHY CARTOON**

Which of the following statements best describes the information shown in the cartoon.

- (i) Dublin City is constantly attracting new residents from outlying areas
- (ii) Dublin City looks like a saucer-shaped depression
- (iii) New Towns outside Dublin have taken the overspill population from the city
- (iv) Tallaght is continually decreasing in population size

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Tick (✓) the correct box.



**18. ORDNANCE SURVEY DISTANCE**

Calculate the length of the N59 road from where it enters the map (G 289 230) to where it crosses the river Moy at the bridge (G 249 190)

Distance is _____ kilometers
------------------------------

**19. ORDNANCE SURVEY HEIGHTS**

*In the boxes provided match the Grid References in column X with the corresponding heights in column Y.*

One pair has been completed for you

Column X		Column Y	
<b>A</b>	<b>G 256 146</b>	<b>1.</b>	less than 10 metres
<b>B</b>	<b>G 266 154</b>	<b>2.</b>	19 metres
<b>C</b>	<b>G 222 228</b>	<b>3.</b>	10 metres
<b>D</b>	<b>G 185 183</b>	<b>4.</b>	Over 40 metres

<b>X</b>	<b>Y</b>
<b>A</b>	<b>1</b>
<b>B</b>	
<b>C</b>	
<b>D</b>	

**20. ORDNANCE SURVEY**

Examine the River Moy on the map.

(i) *Circle the correct answer in the sentence below.*

- The River Moy shows evidence of being in the stage of **Youth / Old Age**.

(ii) State **two** reasons for your answer, using evidence from the map.

1. \_\_\_\_\_

2. \_\_\_\_\_

**Blank Page**