

**FORM 3** **GEOGRAPHY (OPTION)** **TIME: 1h 30min**

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

Class: \_\_\_\_\_

**Instructions to Candidates**

Answer all questions in the space provided. Write your answers neatly and in good English. Credit will be given for relevant illustrations. The marks for individual questions are shown in round brackets: e.g. (4). There are 9 questions in all. The total mark for this paper is 90.

**Examiner's use only**

Question No.	1	2	3	4	5	6	7	8	9	Written Exam	Fieldwork Report	Total
Max. Mark	12	8	12	10	10	10	10	10	8	90	10	100
Score												

1. Study carefully the OS Map, Map 1 on page 2.

- a. Draw the following OS Map symbols at the following locations on Map 1. Choose from the symbols below.



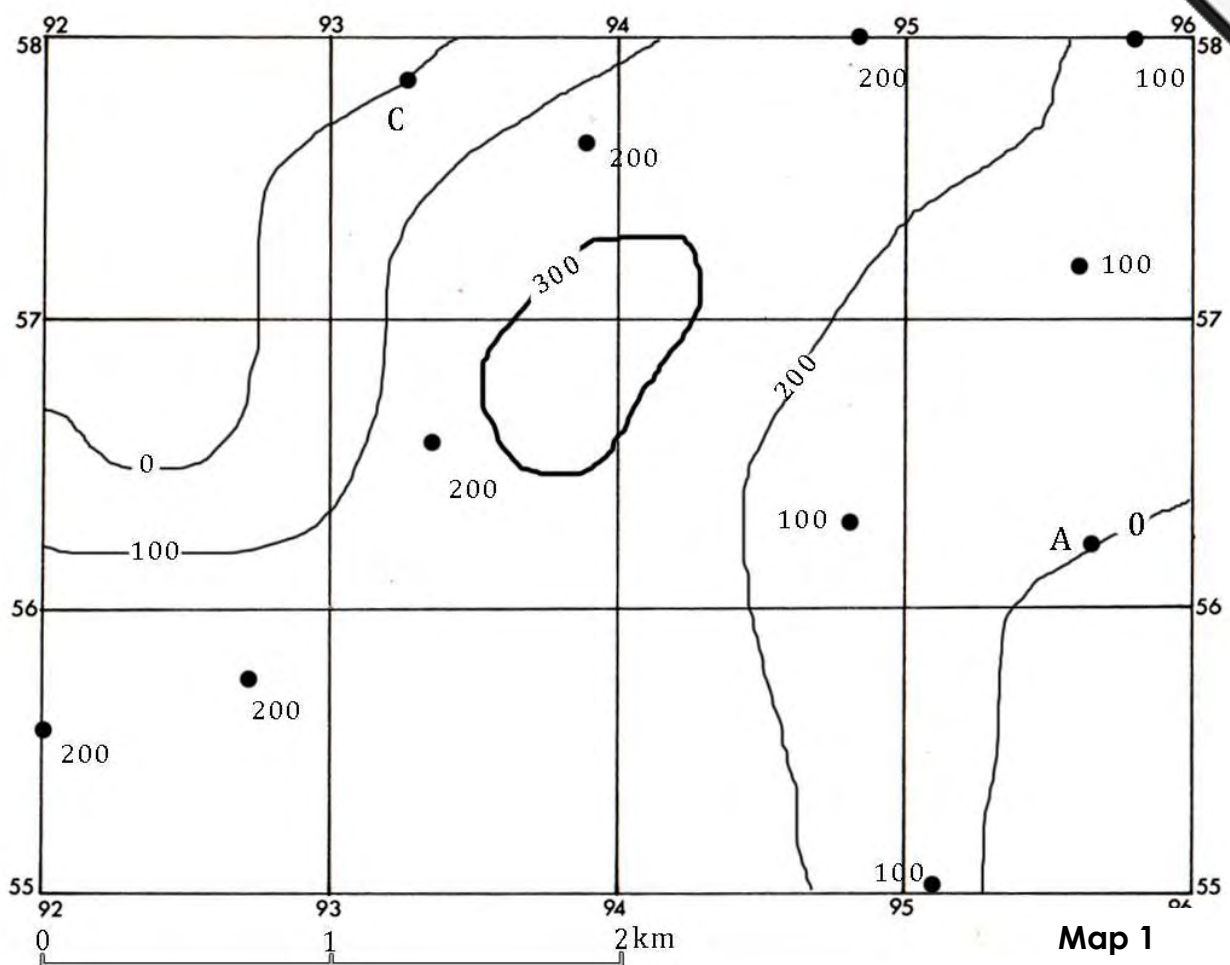
- (i) 924 560 Church with tower  
 (ii) 929 574 Marsh  
 (iii) 938 567 Quarry

(6)

- b. Mark by using a pencil the following contour lines;

- (i) 200 line contour  
 (ii) 100 line contour

(2)



c. Tick (✓) the correct answer.

(i) The compass direction from A to C is

North	
North-west	
North-east	

(ii) The straight line distance from A to C is

2.8 kilometres	
1 kilometre	
3.5 kilometres	

(iii) The highest contour line is

300 metres above sea level	
600 metres above sea level	
200 metres above sea level	

(3)

- d. Suppose you are walking northwards from point A, would you be walking uphill or downhill?

.....

(1)

2. Study the **world map** (Map 2 on page 4) and then answer the following questions.

- a. Four countries are shaded and numbered **1** to **4** on the world map. Name each country in the table below. Fill in the table below with the name of each country. Choose from the following list of countries:

Brazil	Libya	India	Greece	Canada	Egypt	Iran	Germany
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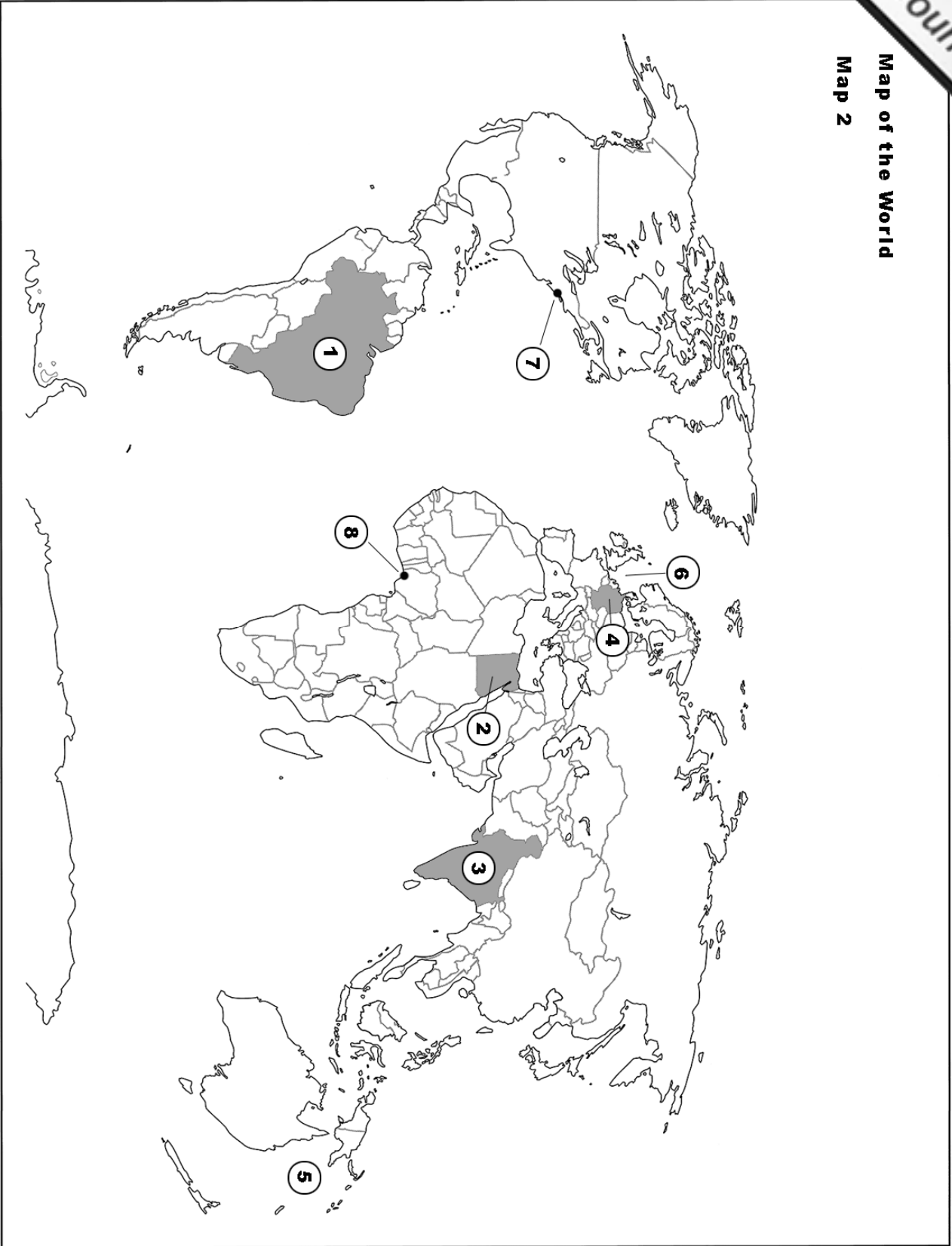
- b. Next to each country, in the same table, write the name of the continent each country is found.

	Country	Continent
<b>1</b>		
<b>2</b>		
<b>3</b>		
<b>4</b>		

(4)

Map of the World

Map 2



- c. On the table below name the following major seas numbered **5** and **6** on the map from:

Mediterranean Sea	Coral Sea	Gulf of Mexico	Caribbean Sea	North Sea	Bay of Bengal
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- d. Under the heading Ocean, in the same table, write the name of ocean where each sea is found.

	Sea	Ocean
<b>5</b>		
<b>6</b>		

(2)

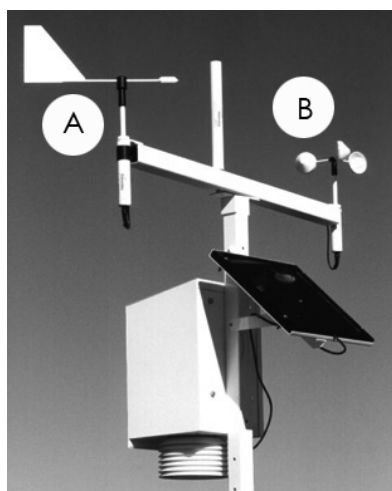
- e. Cities numbered 7 and 8 on the world map are called mega cities because they have a population of over 10 million people. Name these cities. Choose from:

Mumbai	Shanghai	New York	Los Angeles	Lagos	Tokyo
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	Cities
<b>7</b>	
<b>8</b>	

(2)

3. Look at the picture below showing two weather instruments.



- a. Name the two weather instruments shown in the picture and marked by the letters A and B.

<b>Instrument A</b>	
<b>Instrument B</b>	

(2)

b. For what purpose is instrument A used?

.....  
 ..... (2)

c. For what reason is instrument B used?

.....  
 ..... (2)

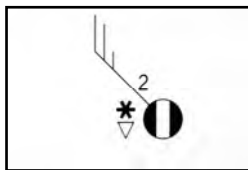
d. Which one of the two instruments uses kilometres per hour as a unit of measure?

..... (1)

e. Name two other weather instruments, besides those shown in the picture, that are usually found in a weather station.

..... (2)

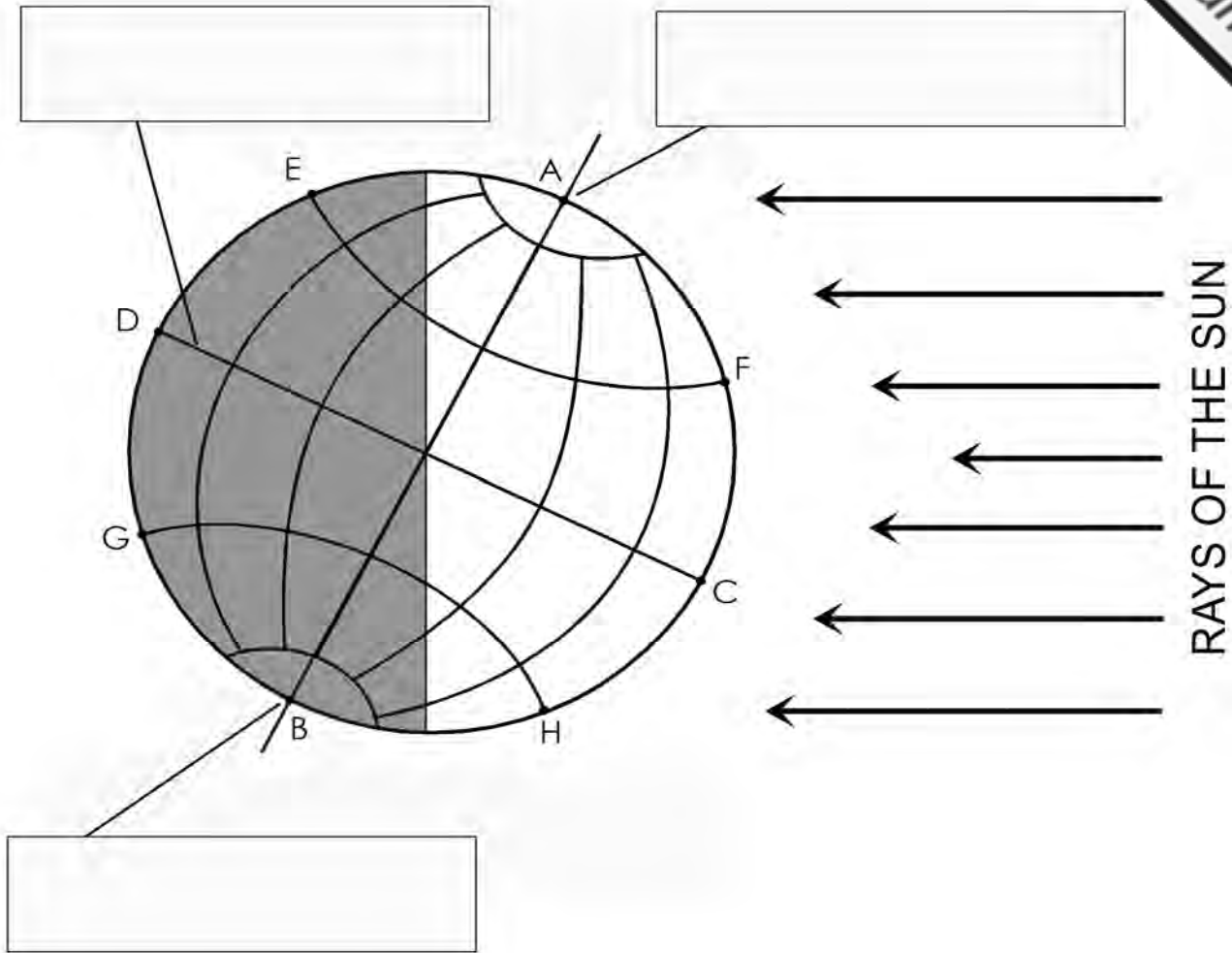
f. Look at the weather conditions shown by the following weather station. Tick (✓) the statements that are correct about the weather conditions represented by the symbols shown on the diagram.



The air temperature is 2°C.	
The weather is dry and without any rain.	
Wind is calm with a speed of 5 knots.	
The sky is 2 oktas covered with clouds.	
Wind is blowing from the NW with a speed of 25 knots.	
Visibility is very poor with fog and mist.	
The air temperature is hot around 30°C	
The weather is wet with showers and snow.	

(3)

4. Look carefully at the diagram showing the Earth.



a. Place the following labels on the globe shown above:

South Pole	North Pole	Equator
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(3)

b. Which line shows the Earth's axis?

Tick (✓) the correct answer. Choose from:

Line D - C	
Line E - F	
Line A - B	

(2)



c. Name the point which has:

(i) 24 hours of daylight Letter .....

(ii) 24 hours of darkness Letter .....

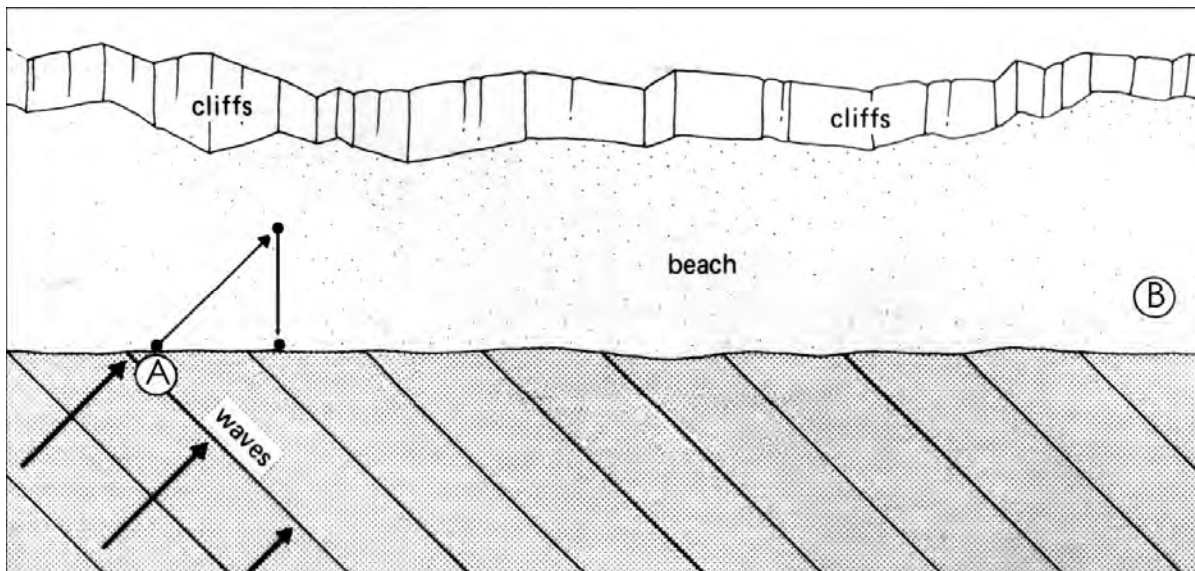
(iii) 12 hours daylight and 12 hours darkness Line .....

(3)

d. On the diagram itself draw an arrow to indicate the direction of the Earth's rotation.

(2)

5. Study carefully the diagram below. Now answer the following questions.



a. Complete the diagram by the use of arrows to show how sand and pebbles at point A will eventually reach the other side of the beach at point B.

(2)

b. On the diagram label the **swash** and the **backwash**.

(1)

c. In the following paragraph, fill in the blank spaces to explain how beaches move by the process called longshore drift. Make use of the words below:

right angles

pebbles

backwash

zigzag

drift

swash

wave



Beaches move! When a wave breaks on the shore there is a rush of water, called the ..... It is in the same direction as the approach of the waves and sweeps sand and ..... up the beach. The sea water then rushes back down the slope of the beach which is usually at ..... to the cliff. This is known as the ..... and returns the sand and pebbles straight down the beach. The next ..... to break will sweep again the sand and pebbles up the beach and slowly the material will be moved along the coast in a ..... pattern. This process is known as ..... drift.

(7)

- 6 a. Match the following phrases to make up sentences about China's **one-child policy**. Write the full sentences in the space provided below.

In 1979 the Chinese Government decided to control

22 years and women 20 years.

Men were allowed to get married when they reach

5 to 10% wage bonus.

Chinese parents with only one child

population growth by reducing family size.

Women who became pregnant a second time

were forced to have abortions.

Couples with one child are given

were given help and free education for their children.

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(5)

- b. What serious problems can the one-child policy, introduced by the Chinese government in 1979, create in the future?

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.....

(5)

7. a. Give the meaning of the following terms:

(i) **Migration:**

.....

.....

(ii) **Rural-to-urban migration:**

.....

.....

(4)

- b. What is the difference between **voluntary migration** and **forced migration**?

.....

.....

.....

(2)

- c. Give two reasons for **forced migration**.

.....

.....

.....

(2)

- d. Give two reasons for **voluntary migration**.

.....

.....

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(2)

8. Study the photo of a **geothermal power station** in Iceland.



a. What is geothermal energy?

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.....

.....

(2)

b. Is geothermal energy a renewable or a non-renewable source of power?

.....

(1)

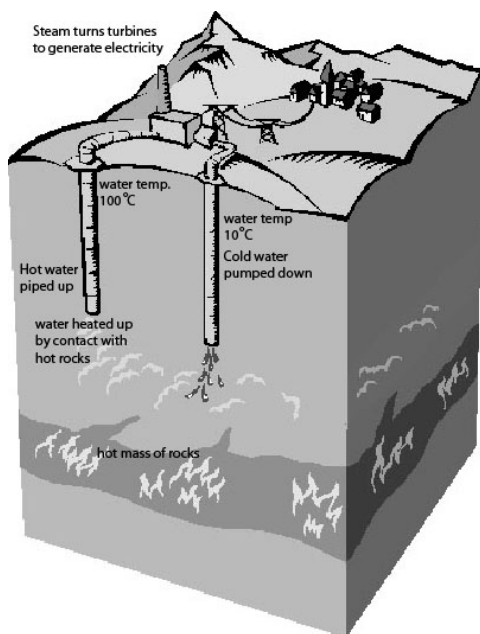
c. Why cannot such a source of power be used in Malta?

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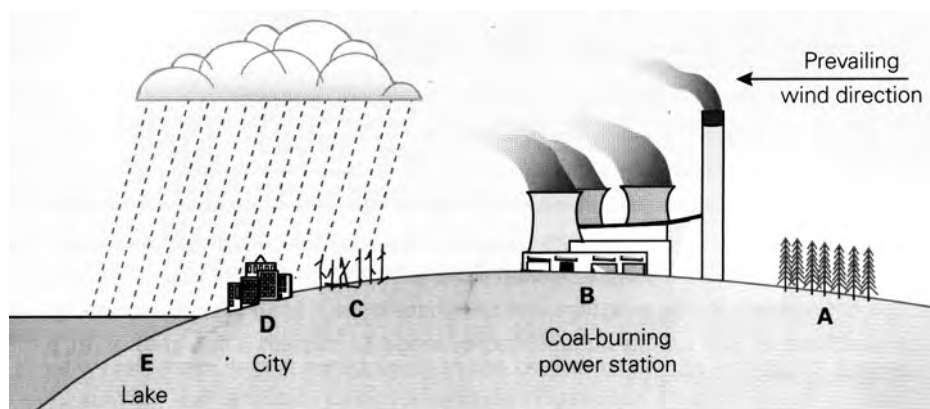
(2)

- d. With the help of the diagram explain how geothermal energy is produced.



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 .....  
 .....  
 .....  
 .....  
 .....  
 ..... (5)

9. Study the diagram below which shows one cause and one effect of acid rain pollution.



- a. Name the cause and effect of acid rain shown in the diagram above.

Cause: ..... Effect: .....

(2)

- b. Why is the effect of acid rain greater at C, D and E than A?

.....  
 .....

(2)

- c. What will be the effect of acid rain in the areas labelled D and E?

.....  
 .....  
 .....

(4)