

Candidate Forename						Candidate Surname					
Centre Number						Candidate Number					

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GENERAL CERTIFICATE OF SECONDARY EDUCATION**

A671/01

GEOGRAPHY A

Extreme Environments (Foundation Tier)

MONDAY 14 JUNE 2010: Morning

DURATION: 1 hour

SUITABLE FOR VISUALLY IMPAIRED CANDIDATES

Candidates answer on the Question Paper

OCR SUPPLIED MATERIALS:

An Insert (A671/01/02/I – inserted)

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes on the first page.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer ALL the questions.
- Write your answer to each question in the space provided. If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is 50.
- You will be awarded marks in questions 2(b) and 4(a)(iii) for the quality of written communication of your answer.

SECTION A – HOT DESERTS AND EXTREME ENVIRONMENTS GENERALLY

Answer ALL questions.

1 (a) Study Fig. 1 on the loose A3 sheet.

Complete the sentences to describe the location of the Mojave Desert.

Choose your answers from the list below.

100

SOUTH WEST

250

UTAH

MEXICO

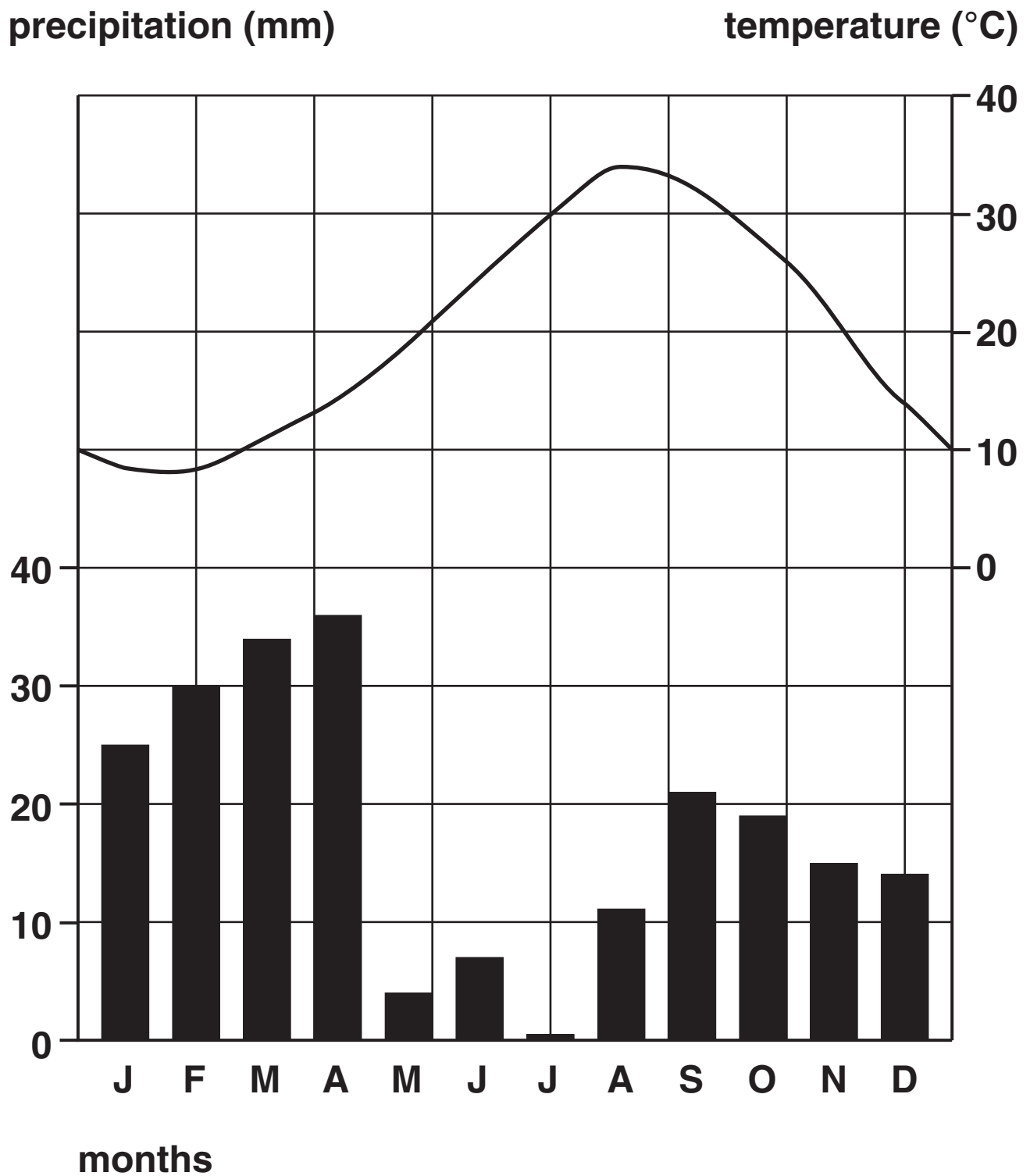
NORTH EAST

**The Mojave Desert is in the _____
of the USA. It is in the states of Arizona, California,
Nevada and _____. At its closest
point it is _____ km from the
Pacific Ocean.**

[3]

(b) Study Fig. 2.

Fig. 2 Climate graph of Mojave Desert



- (i) State the average temperature in the Mojave Desert in August.

_____ °C [1]

- (ii) Suggest how temperatures in the day are likely to differ from temperatures at night in the Mojave Desert in August.

_____ [1]

- (iii) Estimate the average annual precipitation in the Mojave Desert.

Circle the correct answer.

63 mm

110 mm

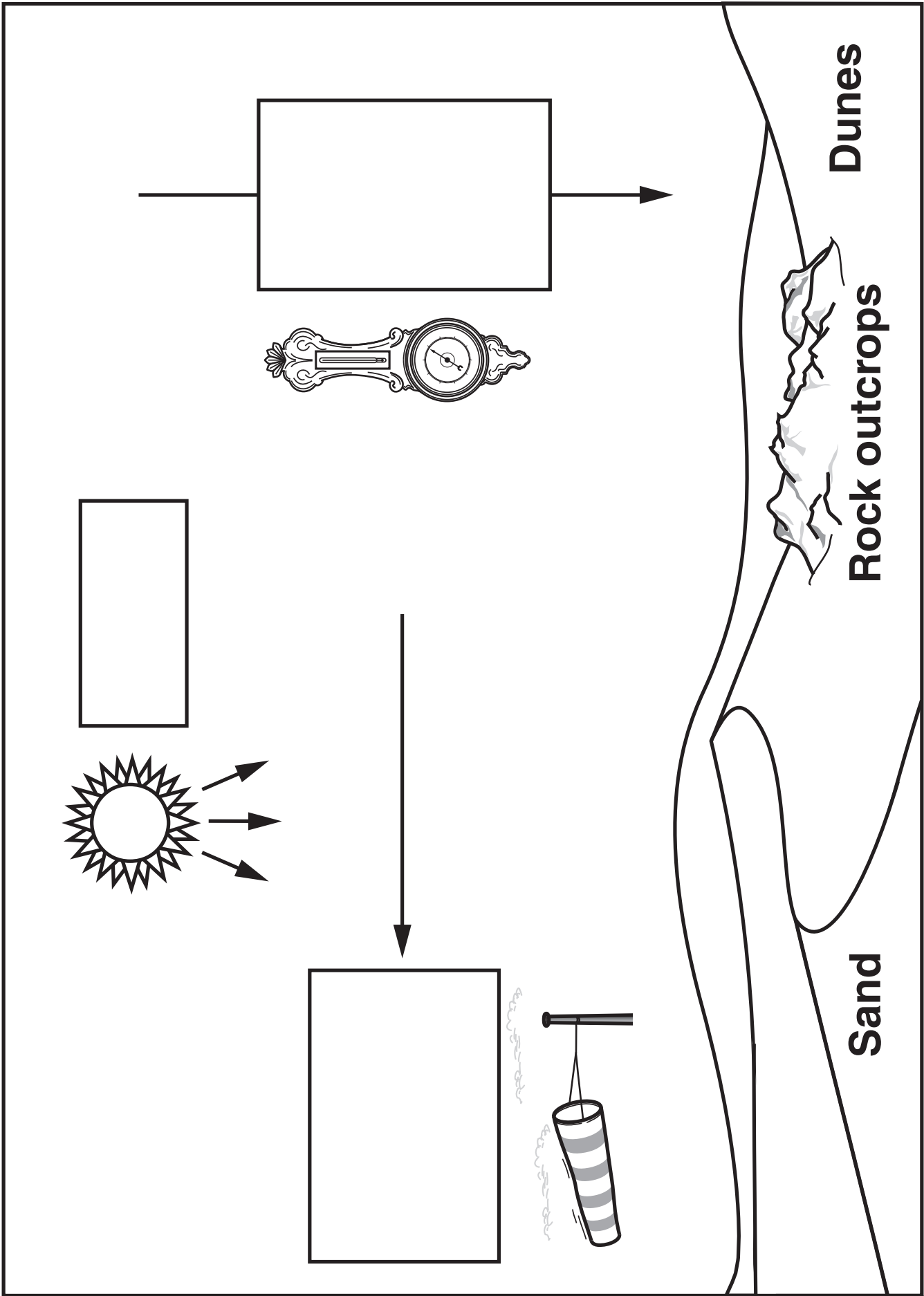
216 mm

342 mm

[1]

(c) The climate in a desert is hot and dry. Choose THREE of the following statements to help explain why. You should write the letters of the statements in the correct boxes on the diagram opposite.

- A Deserts are on the Equator so they are hot and dry.**
- B The sun shines from a high angle in the sky so temperatures are high.**
- C Low pressure and rising air makes it very hot.**
- D Winds blow over large areas of land before reaching the desert so they become dry.**
- E High pressure and sinking air results in dry weather.**
- F The high temperatures make the winds dry.**



[3]

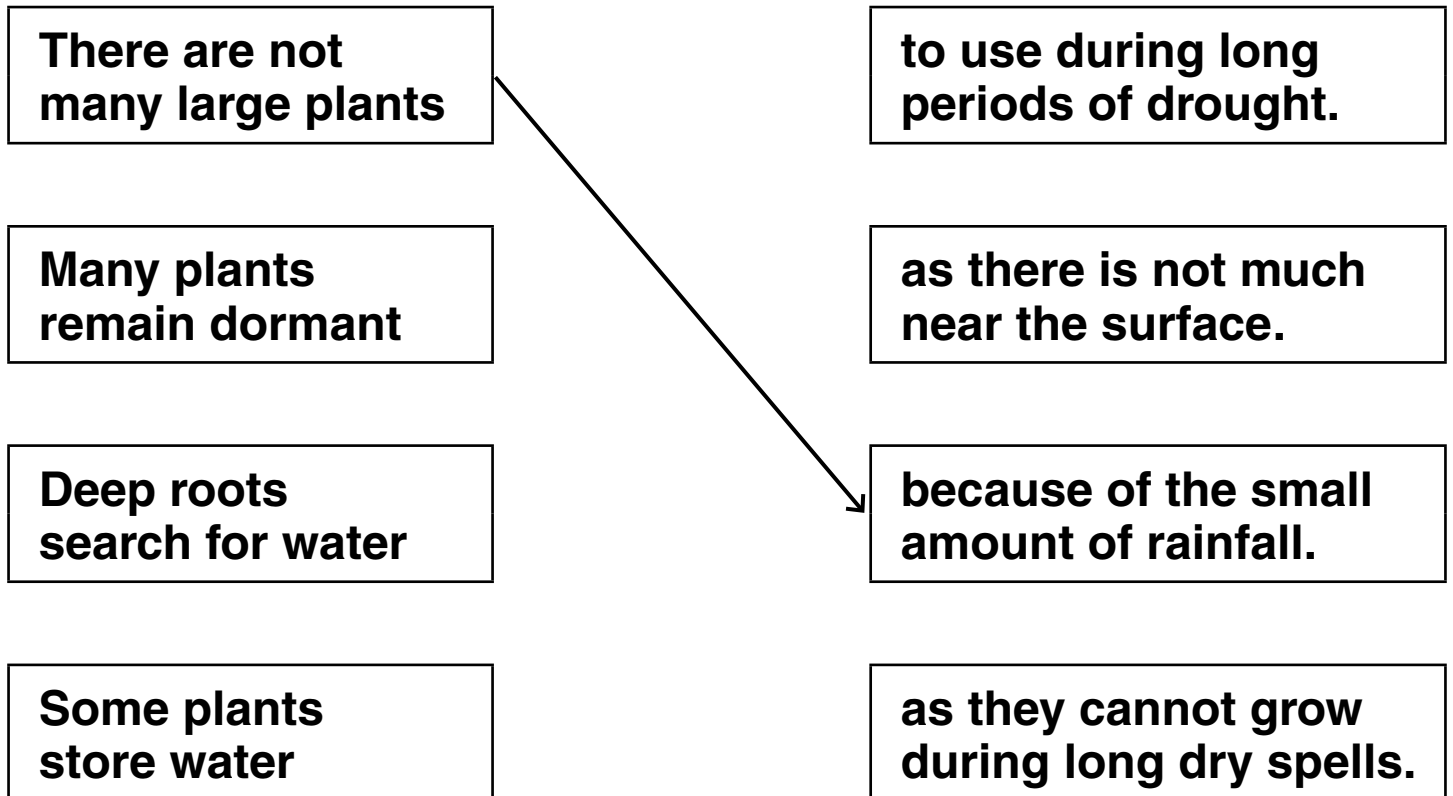
(d) Study Photographs A and B in the separate Insert which were taken in hot desert areas.

(i) Using ONLY evidence in the photographs, describe the vegetation shown.

[3]

- (ii) Explain how the natural vegetation of hot deserts can survive the hot, dry climate. You should complete the sentences by using arrows to match the correct beginnings and endings.

The first sentence has been done for you.



[3]

[Total: 15]

2 Study Photos C, D and E in the separate Insert.

- (a) The photographs show areas of hot desert being used by different groups of people. Identify the users of the desert shown in each photograph. Fill in the table below with each of the letters C, D and E.**

USE OF HOT DESERT	PHOTOGRAPH
Indigenous nomadic tribes	
Adventure tourists	
Multi-national companies	

[2]

- (b) Using Photographs C, D and E and your own knowledge, describe how hot deserts are used by different groups of people.**

[6]

(c) Give TWO reasons why hot deserts are challenging environments for people who live and work there.

1

2

[2]

[Total: 10]

[Section A Total: 25]

SECTION B – YOUR CHOSEN EXTREME ENVIRONMENT

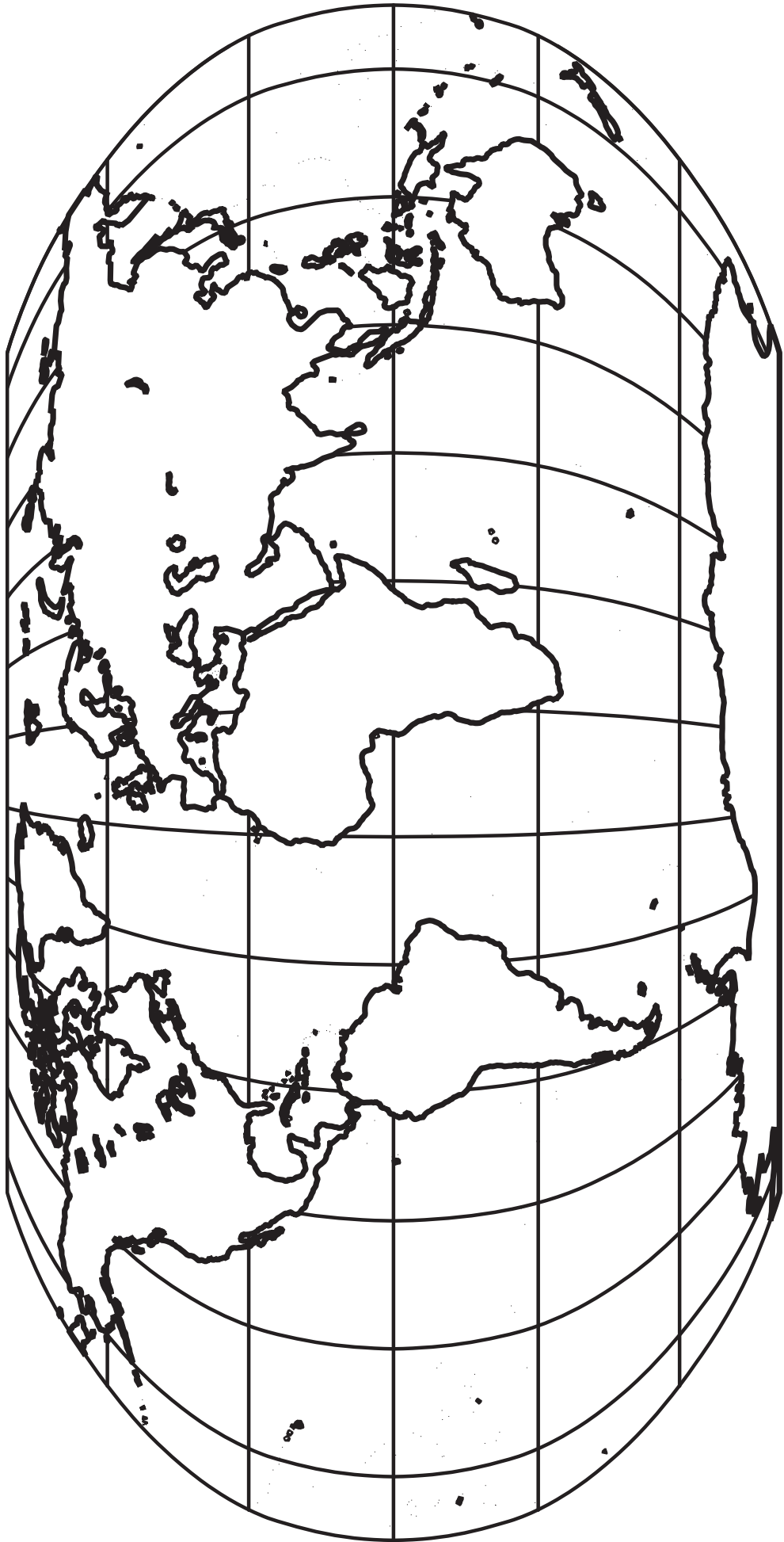
Answer ALL questions. Your answers in this section must refer to EITHER a polar OR a mountain environment.

- 3 (a) Circle the extreme environment which you have studied.**

Polar

Mountain

Mark with an arrow and name the polar OR mountain environment which you have studied on the world map opposite. [2]



(b) Describe how your chosen environment is extreme using the following headings:

Climate

Landscape

Accessibility

[5]

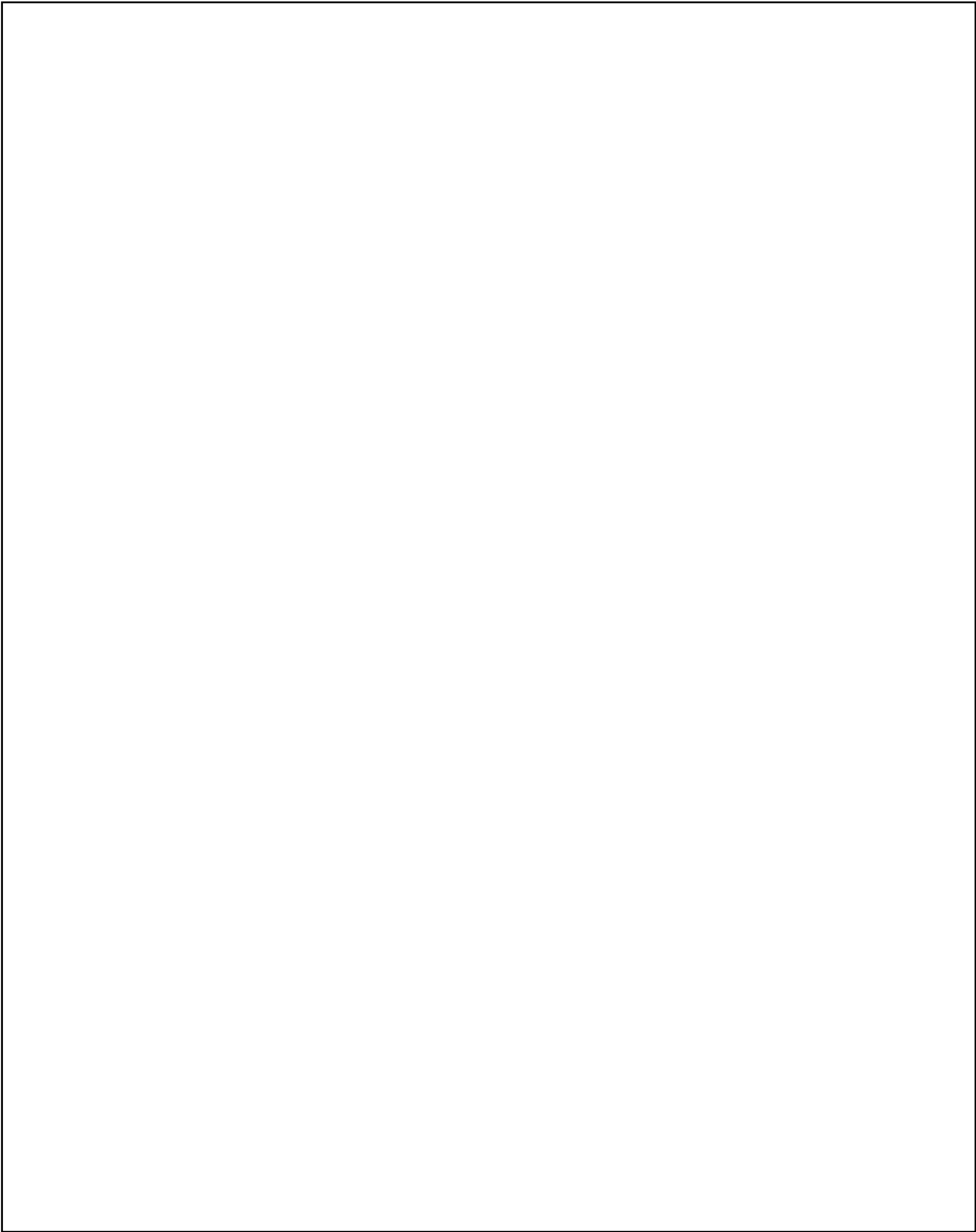
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QUESTION 3 CONTINUES ON PAGE 16 OVERLEAF

- (c) Name and describe ONE landform or physical feature which occurs in your chosen extreme environment.
You may draw a labelled diagram in the box on page 17 opposite to help you.

Landform or physical feature

Description



[5]

[Total: 12]

4 (a) Study Fig. 3 opposite.

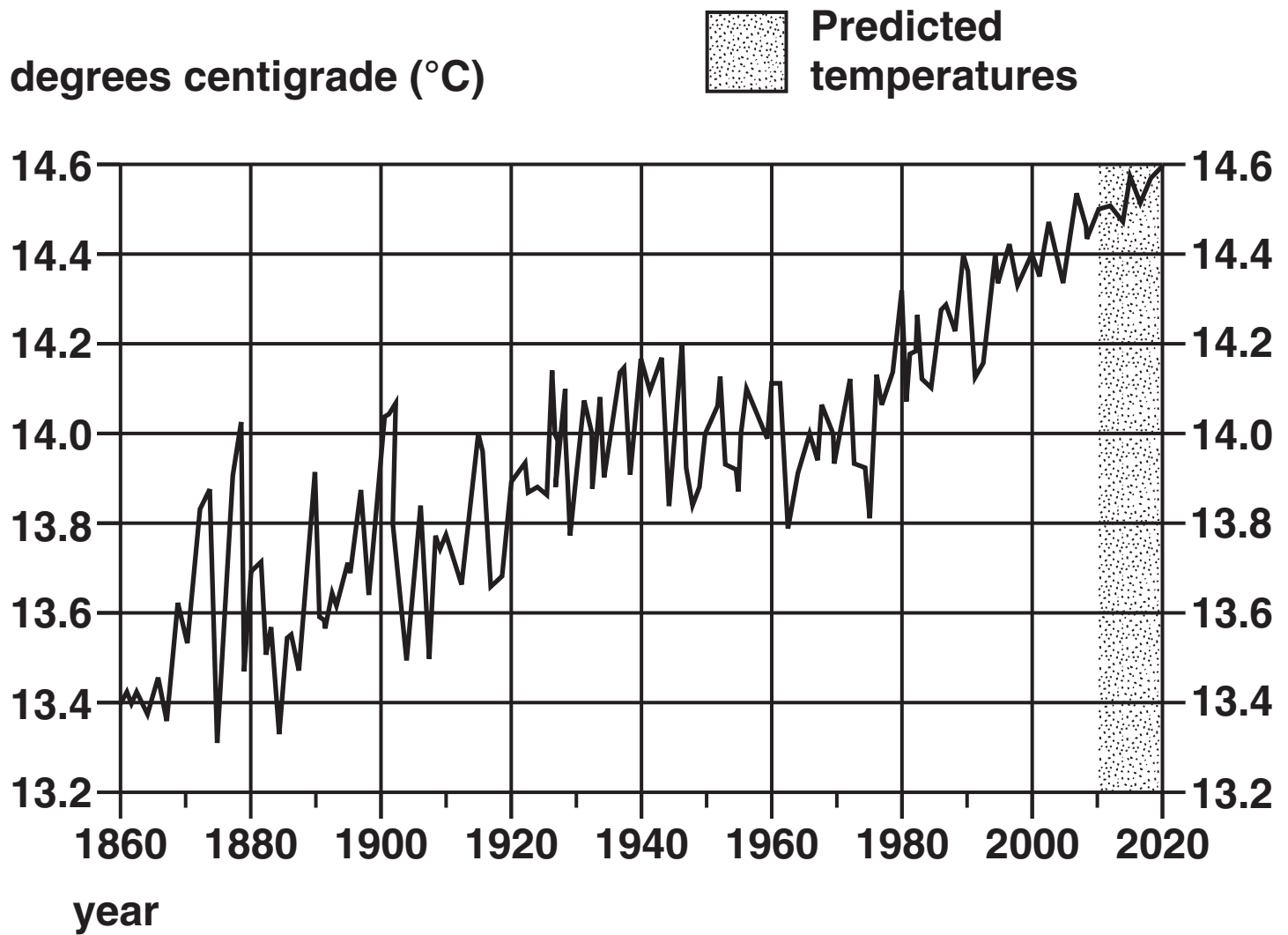
- (i) What is the predicted average temperature in 2010?**

_____ °C [1]

- (ii) Describe how the average temperatures at the earth's surface have changed between 1860 and 2010.**

_____ [2]

Fig. 3 Average temperatures at the earth's surface



[6]

(b) Climate change is one change which may affect extreme environments.

Describe ONE OTHER change which might occur in the polar or mountain area which you have studied.

Explain how this change is likely to affect the people and/or the environment.

Description of change

Effect of change on people and/or environment

[4]

[Total: 13]

[Section B Total: 25]

ADDITIONAL PAGES:

If you use the following lined pages to complete the answer(s) to any question(s), the question number(s) must be clearly shown.

[illegible]

[illegible]



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