Write your name here

Surname	Other names

Centre Number | Candidate Number

Edexcel GCSE

Geography B

Unit 1: Dynamic Planet

Foundation Tier

Thursday 14 June 2012 – Morning
Time: 1 hour

Paper Reference
5GB1F/01

You do not need any other materials.

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- In Section **A**, answer **ALL** the questions.
- In Section **B**, answer **either** question **5** or **6**.
- In Section **C**, answer **either** question **7** or **8**.
- Answer the questions in the spaces provided – *there may be more space than you need.*

Information

- The total mark for this paper is 50.
- The marks for **each** question are shown in brackets – *use this as a guide as to how much time to spend on each question.*
- Questions labelled with an **asterisk** (*) are ones where the quality of your written communication will be assessed – *you should take particular care on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Check your answers if you have time at the end.

Turn over ▶

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PEARSON

SECTION A – INTRODUCTION TO THE DYNAMIC PLANET

Answer ALL questions.

Topic 1: Restless Earth

1 Look at Figure 1.

Figure 1 – Aerial photograph of a volcanic eruption

(a) Which feature of a volcanic eruption is shown at **Z**?

(1)

- ☒ **A** Lava Flow
- ☒ **B** Crater
- ☒ **C** Ash Cloud
- ☒ **D** Earthquake

(b) (i) State **one** immediate response to a volcanic eruption.

(1)

.....

(ii) Outline **one** way buildings can be built to survive an earthquake.

(2)

.....

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(c) Describe **two** methods that can be used to predict when a volcano is likely to erupt.

(4)

1 .....

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2 .....

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(Total for Question 1 = 8 marks)

2 Look at Figure 2.

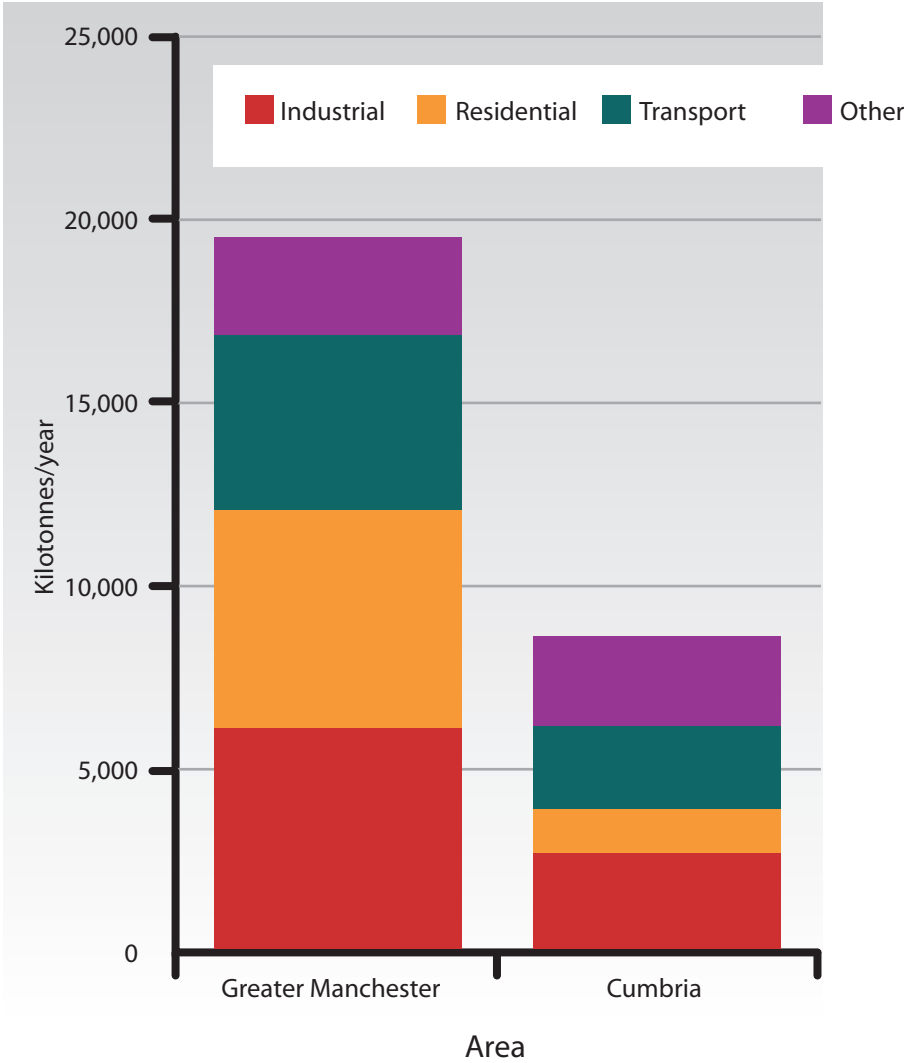

Figure 2 – Carbon dioxide emissions in selected areas of north-west England

(a) Which is the **smallest** source of carbon dioxide in Cumbria?

(1)

☒ **A** Industrial

☒ **B** Residential

☒ **C** Transport

☒ **D** Other

(b) Identify **one** greenhouse gas, **other** than carbon dioxide.

(1)

.....

(c) Identify **two** types of evidence that can be used to show climate change is taking place.

(2)

1 .....

2 .....

(d) Describe **two** ways human activity can lead to climate change.

(4)

1 .....

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2 .....

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(Total for Question 2 = 8 marks)

3 Look at Figure 3.

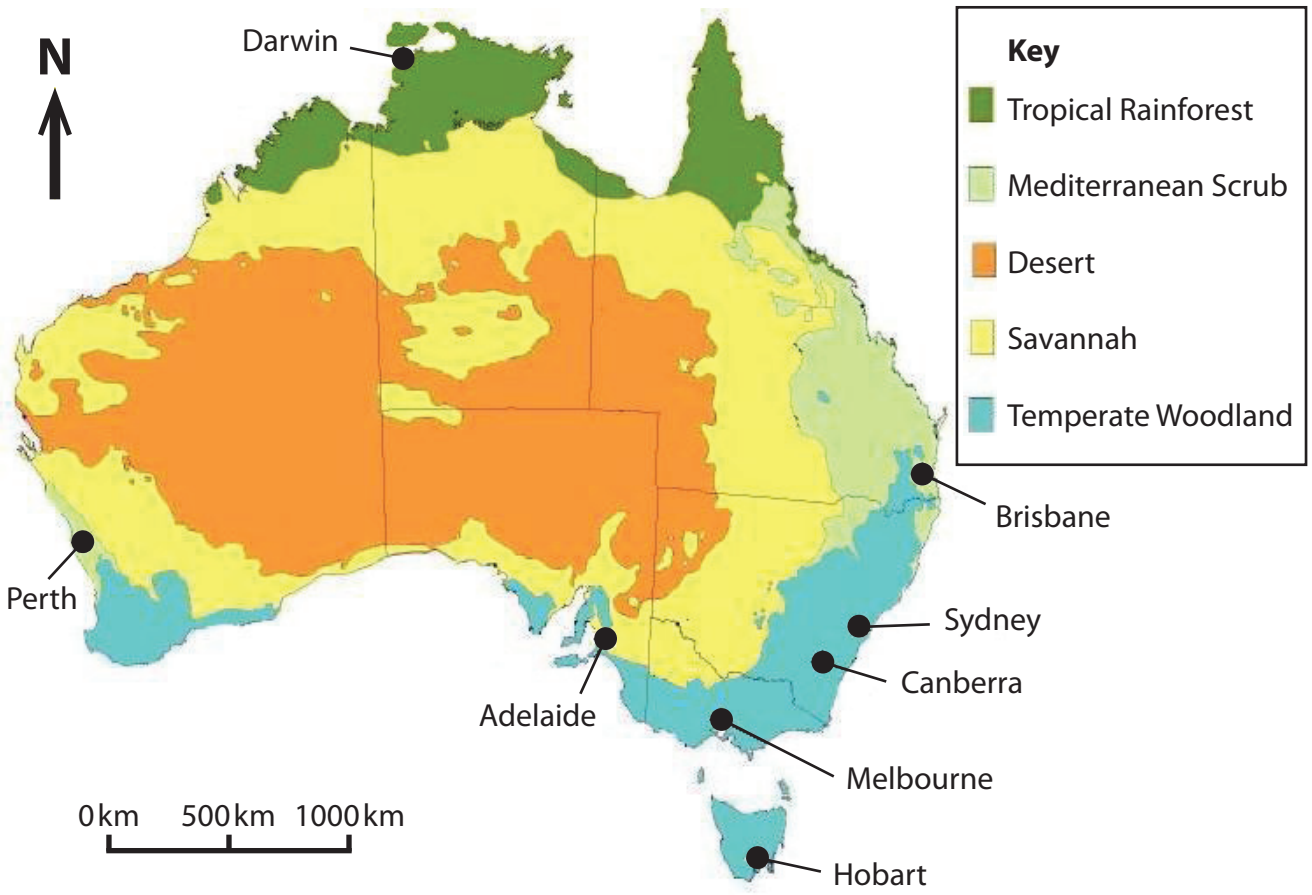

Figure 3 – Biome distribution in Australia

(a) (i) Name the biome in which Melbourne is situated.

(1)

.....

(ii) Which **one** of the following statements is correct?

(1)

☒ **A** Coastal regions are mainly desert

☒ **B** The largest biome in Australia is Mediterranean scrub

☒ **C** The centre of Australia is mainly temperate woodland

☒ **D** Tropical rainforest is only found in the north of Australia

(b) Name **two** goods provided by the biosphere.

(2)

1 .....

2 .....

(c) For a named biome, describe **two** ways it has been damaged by human activity.

(4)

Named biome: .....

1 .....

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2 .....

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(Total for Question 3 = 8 marks)

Topic 4: Water World

4 Look at Figure 4.

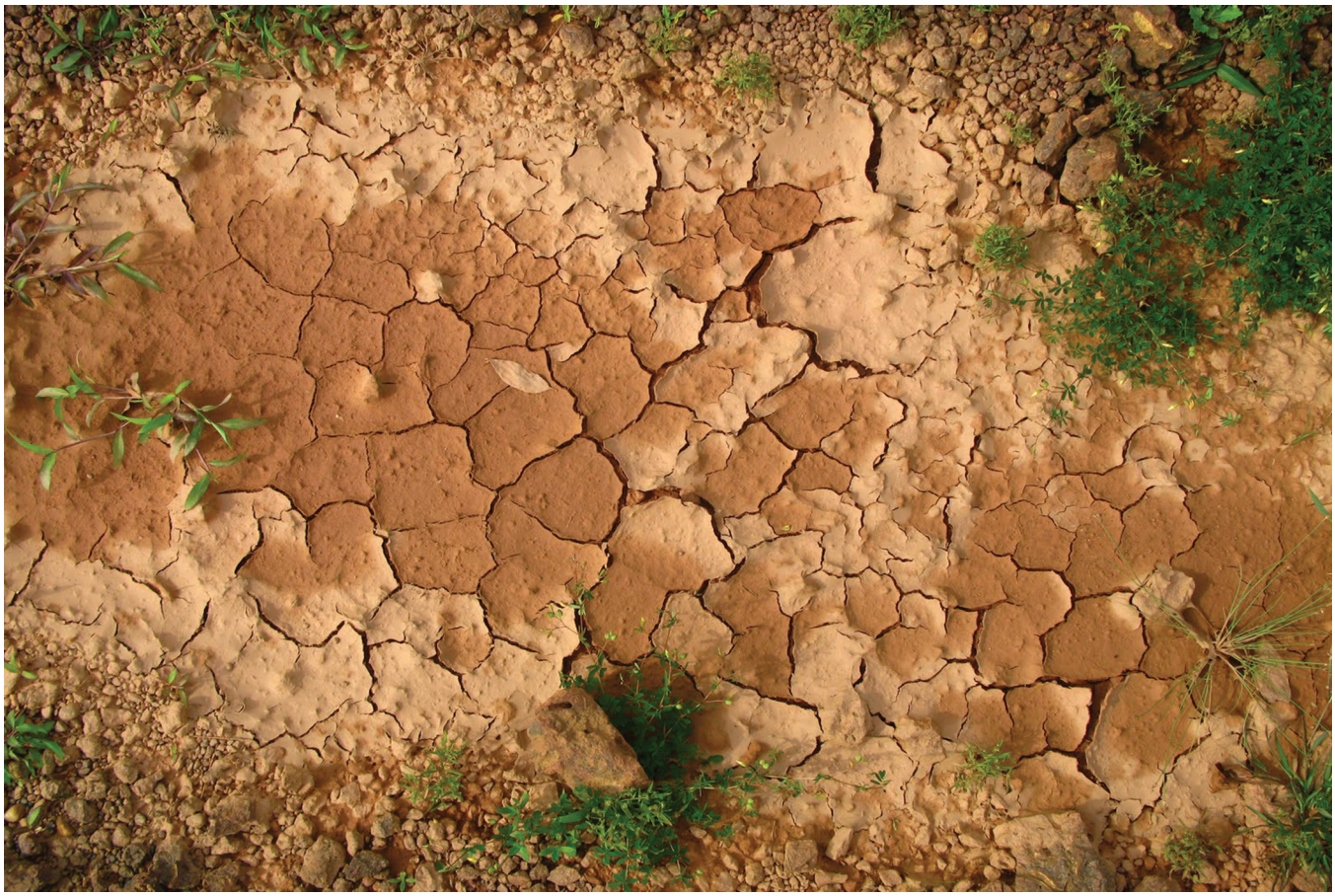

Figure 4 – Photograph showing the impact of a lack of water supply

(a) Complete the sentence below using **two** of the following words.

(2)

drought **ground** **sea** **flooding**

A lack of water supply may lead to ..... and crop failure.

Wells can be dug to take water from the .....

(b) Outline **one** benefit of using intermediate technology to improve water supply.

(2)

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(c) Describe **two** human activities that can lead to a reduction in water quality.

(4)

1 .....

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2 .....

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(Total for Question 4 = 8 marks)

TOTAL FOR SECTION A = 32 MARKS

SECTION B – SMALL-SCALE DYNAMIC PLANET

Answer ONE question in this section.

Topic 5: Coastal Change and Conflict

If you answer Question 5 put a cross in this box ☒ .

5 Look at Figure 5.

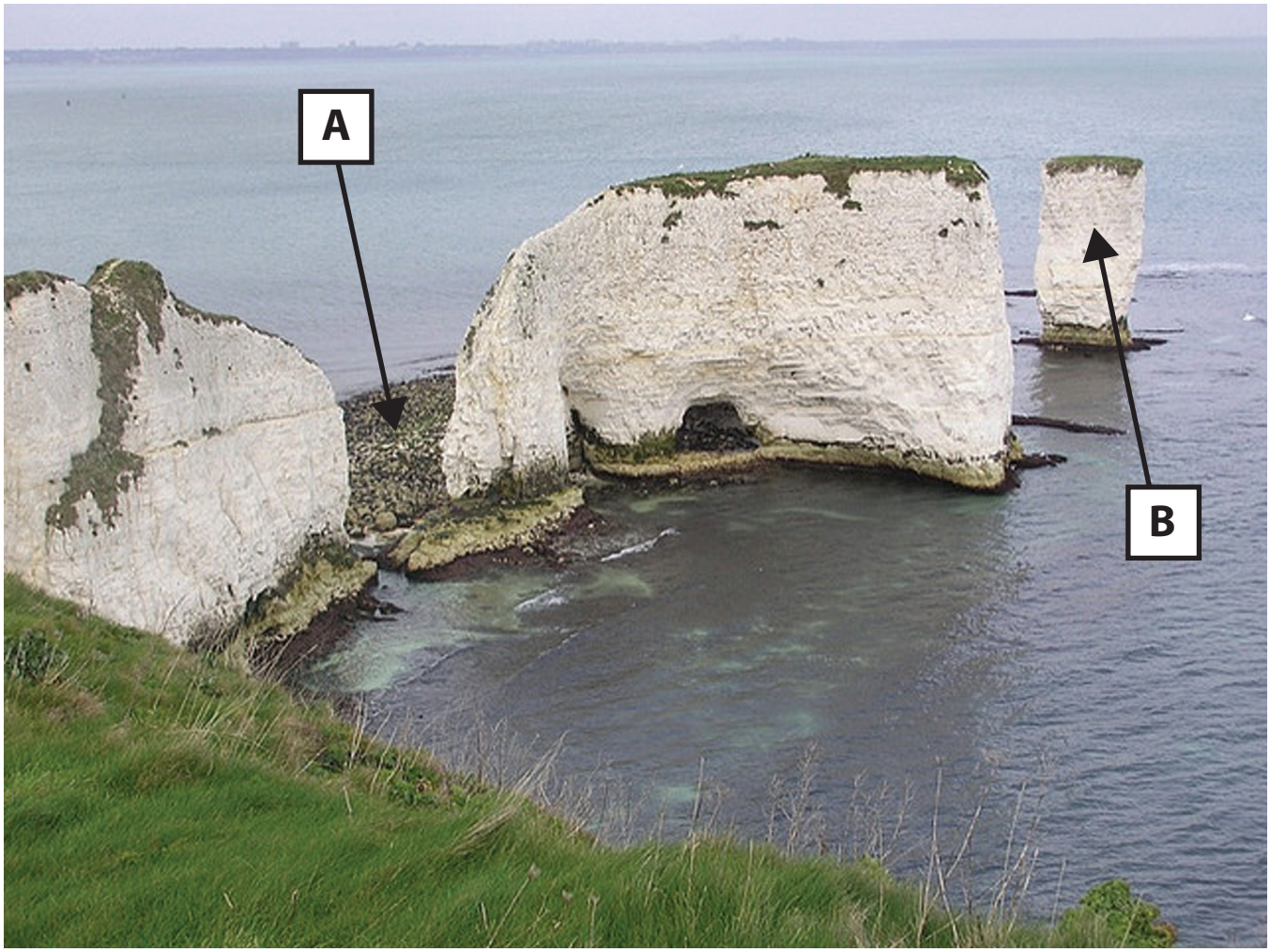

Figure 5 – Photograph of coastal landforms

(a) Name the coastal landforms **A** and **B**.

Choose from the four landforms listed below.

Spit **Stack** **Blow Hole** **Wave-Cut Platform**

(2)

A .....

B .....

(b) Name **one** process of coastal erosion.

(1)

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*(c) Using examples, describe the costs and benefits of using hard engineering to manage coastal retreat.

(6)

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(Total for Question 5 = 9 marks)

Topic 6: River Processes and Pressures

If you answer Question 6 put a cross in this box ☒ .

6 Look at Figure 6.

Figure 6 – Photograph of 'High Force' waterfall

(a) Name the features shown at **A** and **B**.

Choose from the four features listed below.

Plunge Pool **Spur** **Meander** **Bed load**

(2)

A .....

B .....

(b) Name **one** process of river erosion.

(1)

.....

*(c) For a flood you have studied, describe the effects of the flood on the local area.

(6)

Named flood .....

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(Total for Question 6 = 9 marks)

TOTAL FOR SECTION B = 9 MARKS

SECTION C – LARGE-SCALE DYNAMIC PLANET

Answer ONE question in this section.

Topic 7: Oceans on the Edge

If you answer Question 7 put a cross in this box ☒ .

7 Look at Figure 7.

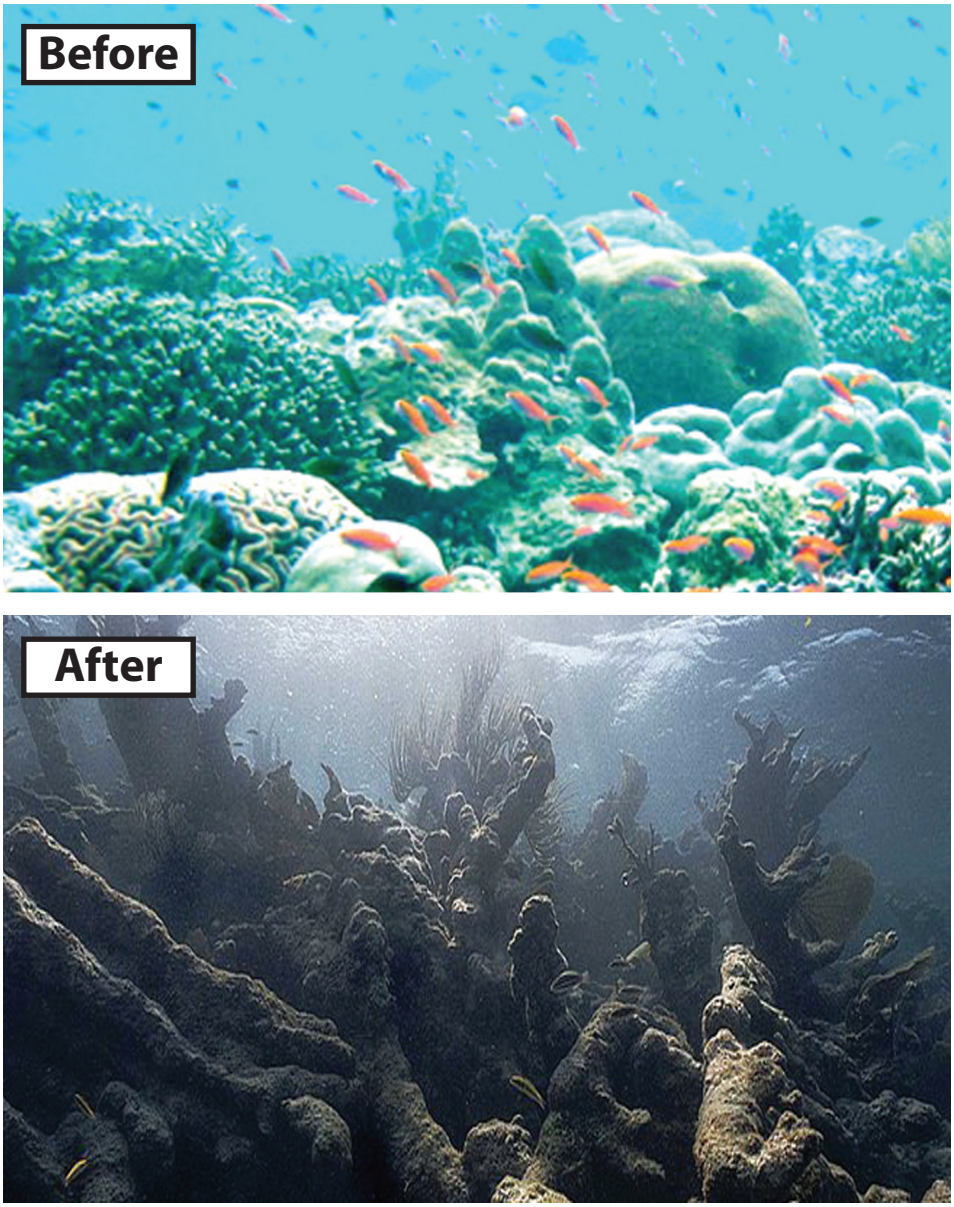

Figure 7 – The impacts of pollution on a coral reef

(a) Identify **one** impact caused by the pollution.

(1)

.....

.....

(b) Suggest **two** sources of marine pollution.

(2)

1 .....

2 .....

*(c) Using examples, explain how marine ecosystems can be sustainably managed.

(6)

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(Total for Question 7 = 9 marks)

Topic 8: Extreme Climates

If you answer Question 8 put a cross in this box ☒ .

8 Look at Figure 8.

Figure 8 – Buildings adapted to cope with extreme climates

(a) For **either** the hot arid **or** the polar climate, identify **two** ways the building has been designed to cope with the extreme climate.

(2)

Hot Arid or Polar: .....

1 .....

.....

2 .....

.....

(b) Give **one** reason why people often find it difficult to live in an area that has an extreme climate.

(1)

.....

.....

P 3 9 9 5 0 R A 0 1 6 2 0

*(c) For a named area with **either** a hot arid **or** a polar climate, explain how local people have protected their environment.

(6)

Named area: .....

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(Total for Question 8 = 9 marks)

TOTAL FOR SECTION C = 9 MARKS
TOTAL FOR PAPER = 50 MARKS

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