

**Paper Reference 1GB0/03**  
**Pearson Edexcel**  
**Level 1/Level 2 GCSE (9–1)**

Total Marks
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# **Geography B**

## **PAPER 3: People and Environmental Issues**

### **Making Geographical Decisions**

**Friday 16 June 2023 – Afternoon**

**Time: 1 hour 30 minutes**

**In the boxes below, write your name, centre number and candidate number.**

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

**X72571A**

**YOU MUST HAVE**

**Calculator**

**YOU WILL BE GIVEN**

**Resource Booklet**

**INSTRUCTIONS**

**Answer ALL questions.**

**Answer the questions in the spaces provided in this Question Paper – there may be more space than you need.**

**INFORMATION**

**The total mark for this paper is 64.**

**The marks for EACH question are shown in brackets – use this as a guide as to how much time to spend on each question.**

**The marks available for spelling, punctuation and grammar are clearly indicated.**

**ADVICE**

**Read each question carefully before you start to answer it.**

**Try to answer every question.**

**Check your answers if you have time at the end.**

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## **SECTION A**

### **People and the Biosphere**

**Answer ALL questions. Write your answers in the spaces provided.**

**Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.**

- 1. Use Section A (pages 3 to 6) in the Resource Booklet to answer this question.**

**(a) Study Figure 1.**

- (i) Name the ecosystem which covers the largest area of land in Figure 1.  
(1 mark)**

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**(continued on the next page)**

1. (a) continued.

(ii) Identify TWO statements which correctly describe the past distribution of forest on the map in Figure 1.

**A** The forest was fairly evenly distributed

**B** Forests grew mainly in central areas of Iceland

**C** Forests grew mainly near the edges of the land

**D** More forest was in the south–east of Iceland

**E** More forest was in the south–west of Iceland

Answers

(2 marks)

(continued on the next page)

Turn over

1. continued.

(b) Using your own knowledge, name **ONE** forest biome that is **NOT** present in Iceland.

(1 mark)

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1. continued.

(c) Using evidence from Figures 1 and 2, suggest **TWO** ways in which Iceland's physical geography influences the distribution of its ecosystems.

(4 marks)

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(Total for Question 1 = 8 marks)

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**TOTAL FOR SECTION A = 8 MARKS**

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**Turn over**



## **SECTION B**

### **Forests Under Threat**

**Answer ALL questions. Write your answers in the spaces provided.**

**Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.**

2. Use Section B (pages 7 and 8) in the Resource Booklet to answer this question.

(a) Study Figure 3.

(i) Which ONE of the following is the best definition of biodiversity?

- A The percentage of forest which has been removed
- B The different forests found in a country
- C The rate of nutrient cycling in an ecosystem
- D The number of plant and animal species

Answer

(1 mark)

(continued on the next page)

Turn over

2. (a) continued.

(ii) Using Figure 3 and your own knowledge, explain **ONE HUMAN** reason and **ONE PHYSICAL** reason why very little of Iceland's forest remains.

(4 marks)

**Human reason**

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**Physical reason**

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**2. continued.**

**(b) Study Figure 4.**

**Using Figure 4 and your own knowledge,  
explain ONE possible impact of replanting  
forests on Iceland's economy.**

**(2 marks)**

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**(continued on the next page)**

**2. continued.**

**(c) Using your own knowledge, explain ONE way in which trees in the taiga biome are adapted to the climate.**

**(2 marks)**

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**(Total for Question 2 = 9 marks)**

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**TOTAL FOR SECTION B = 9 MARKS**

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**SECTION C****Consuming Energy Resources**

**Answer ALL questions. Write your answers in the spaces provided.**

**Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.**

3. Use Section C (pages 9 to 16) in the Resource Booklet to answer this question.

(a) Study Figure 5.

- (i) Identify the sector which employs most people.

(1 mark)

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- (ii) Identify the sector which is **MOST CLEARLY** shown as being threatened by climate change.

(1 mark)

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3. continued.

(b) Study Figure 6.

(i) Calculate the value of **X** in the table.

**A 78**

**B 61**

**C 19**

**D 13**

Answer

(1 mark)

(ii) Using your own knowledge, state **ONE** possible **POLITICAL** cause of a large global oil price increase.

(1 mark)

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(continued on the next page)

Turn over



**3. continued.**

**(c) A country's 'energy mix' is the range of different energy sources used by its people and industries.**

**Using evidence from Figures 5 and 6, explain TWO reasons why the people of Iceland need a diverse energy mix.**

**(4 marks)**

**Answer lines continue on the next page.**

**1** \_\_\_\_\_

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**2** \_\_\_\_\_

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3. (c) continued.

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(continued on the next page)

3. continued.

(d) Study Figure 7.

Identify the interquartile range of the data.

A 75 – 5

B 75 – 20

C 55 – 15

D 30 – 15

Answer

(1 mark)

(continued on the next page)

3. continued.

(e) Using your own knowledge, explain  
**ONE PHYSICAL and ONE POLITICAL**  
reason why some countries produce little  
renewable energy.

(4 marks)

Answer lines continue on the next page.

**Physical reason**

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**Political reason**

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3. (e) continued.

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(continued on the next page)

### 3. continued.

**(f) Study Figure 8.**

**Using evidence from Figure 8, assess the ENVIRONMENTAL impacts of renewable energy use in Iceland.**

**(8 marks)**

**Answer lines continue on the next three pages.**

[illegible]

**3. (f) continued.**

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**Turn over**

**3. (f) continued.**

[illegible]

**Turn over**



3. (f) continued.

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(continued on the next page)

**3. continued.**

**(g) Study Figure 9.**

**(i) Identify the year when Iceland's annual average temperature was highest.**

**(1 mark)**

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**(ii) Using Figure 9, identify ONE reason why climate change leads to the loss of Arctic fish species.**

**(1 mark)**

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**(continued on the next page)**

**3. continued.**

**(h) Study Figure 10.**

**Assess the value of Iceland's Climate Action Plan as a strategy that OTHER COUNTRIES could also use.**

**(8 marks)**

**Answer lines continue on the next three pages.**

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**3. (h) continued.**

[illegible]

**Turn over**

**3. (h) continued.**

[illegible]

**Turn over**

3. (h) continued.

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(Total for Question 3 = 31 marks)

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**TOTAL FOR SECTION C = 31 MARKS**

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## **SECTION D**

### **Making a Geographical Decision**

**Answer Question 4. Write your answers in the space provided.**

**In this question, up to four additional marks will be awarded for your spelling, punctuation, grammar and your use of specialist terminology.**

4. Study the three options below for Iceland's government to manage the country's natural environment and resources more sustainably.

**OPTION 1: Make new laws to limit the harm done by aluminium production.**

**OPTION 2: Increased planting of new trees to replace Iceland's lost taiga forest.**

**OPTION 3: Take action to reduce fossil fuel use by transport in Iceland.**

**Select the option you think Iceland's government ought to focus on FIRST.**

**Justify your choice.**

**Use information from the Resource Booklet and knowledge and understanding from the rest of your geography course to support your answer.**

**(12 marks)**

**Answer lines are on the next eight pages.**

**Turn over**



**4. continued.**

## CHOSEN OPTION

[illegible]

**4. continued.**

[illegible]

**Turn over**

**4. continued.**

[illegible]

**Turn over**

**4. continued.**

[illegible]

**Turn over**

**4. continued.**

[illegible]

**Turn over**

**4. continued.**

[illegible]

**Turn over**

**4. continued.**

[illegible]

**Turn over**

4. continued.

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(Spelling, punctuation, grammar and use of specialist terminology = 4 marks)

(Total for Question 4 = 16 marks)

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**TOTAL FOR SECTION D = 16 MARKS**

**TOTAL FOR PAPER = 64 MARKS**

**END OF PAPER**

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