

Draft - subject to accreditation and change

Paper Reference(s)

XXXX/XX

Edexcel GCSE

Geography B

Unit 3: Making Geographical

Decisions

The future of Antarctica

Higher Tier

Time: 1 hour

Materials required for examination

Pre-released resource booklet

Items included with question papers

Nil

Instructions to Candidates

In the boxes above, write your centre number, candidate number, your surname, initials and signature.

Check that you have the correct question paper.

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

Information for Candidates

The marks for individual questions and the parts of questions are shown in round brackets: e.g. (2).

There are 3 questions in this question paper. The total mark for this paper is 50.

There are 8 pages in this question paper. Any blank pages are indicated.

Advice to Candidates

Quality of written communication will be taken into account in the marking of your responses to Questions 1aii, 1b, 2aii, 3a and 3b. These questions are indicated with an asterisk. Quality of written communication includes clarity of expression, the structure and presentation of ideas and grammar, punctuation and spelling.

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W850/.../57570

(b)*For this question refer to the resource on the Antarctic Treaty System (ATS) on page 13. Explain why this treaty was needed to govern Antarctica and to safeguard its future.

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End of Question [15]

Section B – Threats and Solutions

2. Use Section B in the resource booklet to answer this question.

(a) (i) For **either** global warming **or** ozone depletion complete the table below using the key provided.

Threats	Extent of threat	Timespan		Success in management of threat	Degree of damage at present
		Present	Future		
Sealing, whaling, fishing in Southern Oceans	R	✓	✓	*	**
Global warming	G				
Oil and mineral extraction	L	X	✓	*	None
Ozone depletion	G				
Research station and science projects	L	✓	X	*	**
Tourism	L	X	✓	*	*

Key to use	Insert G (Global) R (Regional) L (Local)	✓ a problem X no problem	✓ a problem X no problem	* good success in solution ** proving hard to solve *** very complex to solve	None * minor ** major *** very severe
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(a)(ii)* For your chosen option justify your decisions for timespan, success in management of threat and degree of damage at present.

Chosen option:

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(b) Sustainable strategies are needed to manage Antarctica.

Using examples explain why sustainable strategies are needed for each of the following:

i) Research stations

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ii) Tourism

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End of Question [17]

Section C – Making decisions about Antarctica’s future

3. Use all the resources in the booklet but with particular reference to those in Section C.

The issue

There are different and conflicting views about the **future development of Antarctica**. The advantages of **exploiting** the resources have to be weighed up against the environmental impacts, pollution threats and dangers of international disputes. Many see the **conservation** of the world’s last great wilderness as absolutely vital and non negotiable.

You should consider the following four options for the future of Antarctica:

Option 1	Maintain the current situation, as the Antarctic Treaty is working and protecting Antarctica well.
Option 2	Make Antarctica a World Park managed by UN to strengthen conservation and avoid threats for example from mining and land-based tourism development.
Option 3	Allow limited small scale sustainable developments, for example new research stations or ecotourism, but only in the Antarctic peninsula.
Option 4	Permit development of resources throughout Antarctica provided the developments are sustainably managed.

Tasks

(a)* Choose **one** option which you think would be best for Antarctica.

Option number _____

Justify your choice of this option as best for Antarctica. You should briefly mention any possible disadvantages in your justification.

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(b)* Explain the reasons why you rejected the other **three** options.

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End of Question [18]

End of Paper