

## **GCSE (9–1) Geography A (Geographical Themes) J383/02 The World Around Us Sample Resource Booklet**

Version 1.3

Time allowed: 1 hour

### **INFORMATION**

- This document has **8** pages.

### **INSTRUCTIONS**

- Do not send this Resource Booklet for marking. Keep it in the centre or recycle it.

**BLANK PAGE**

Fig. 1

Part of a polar marine ecosystem

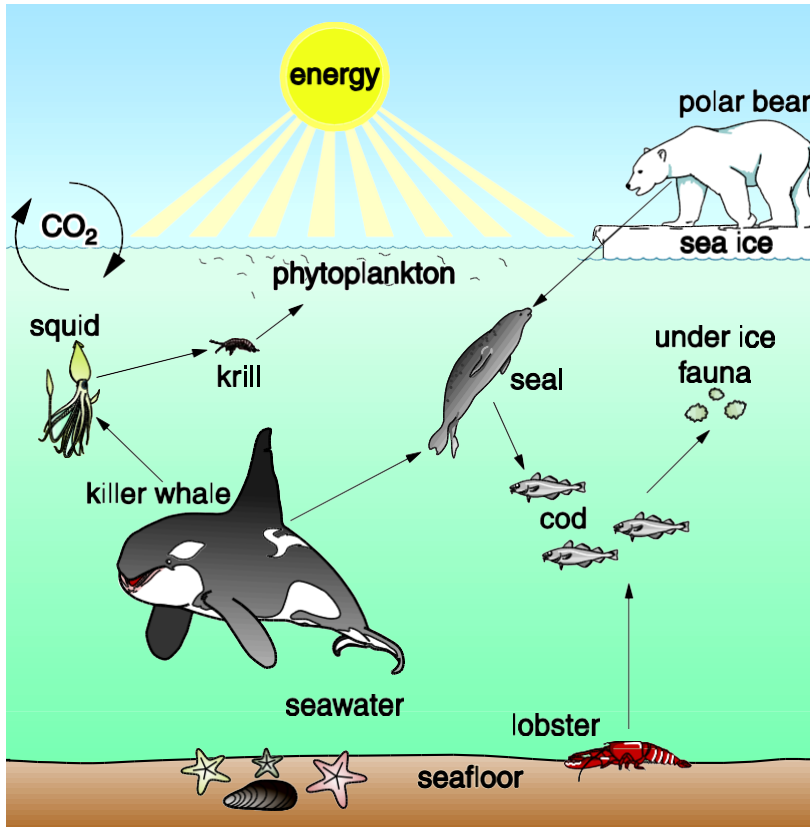
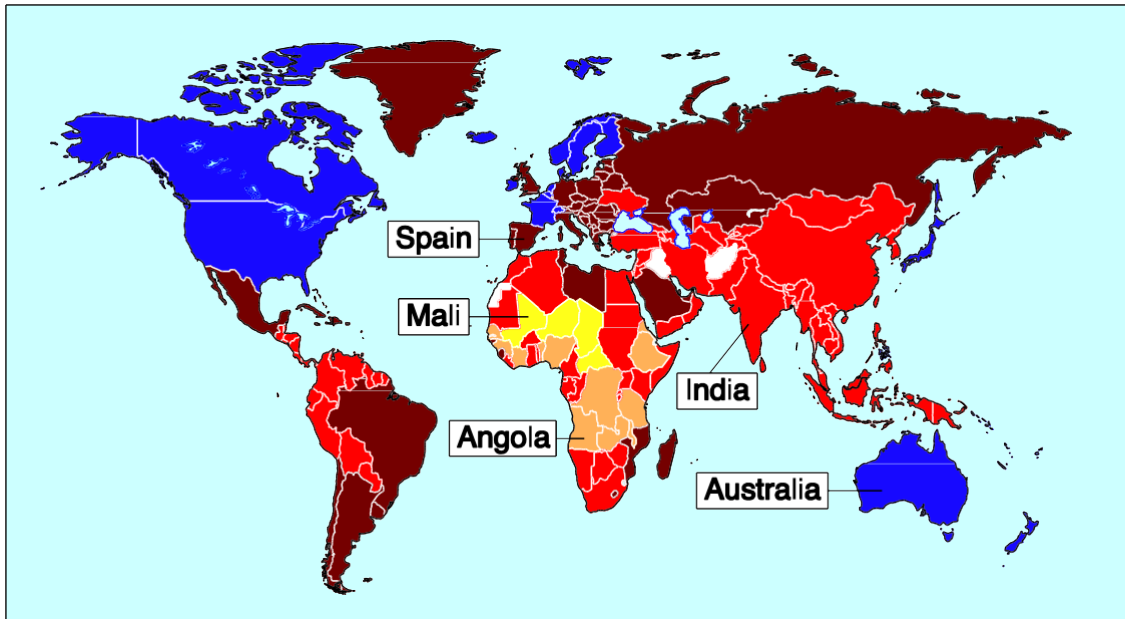


Fig. 2

Human Development Index (HDI) scores for countries of the world



**Key:**

over 0.950	very high
0.800 – 0.949	high
0.500 – 0.799	medium
0.350 – 0.499	low
under 0.350	very low
no data	

**Fig. 3**

**Predicted urban population change from 2000 to 2050**

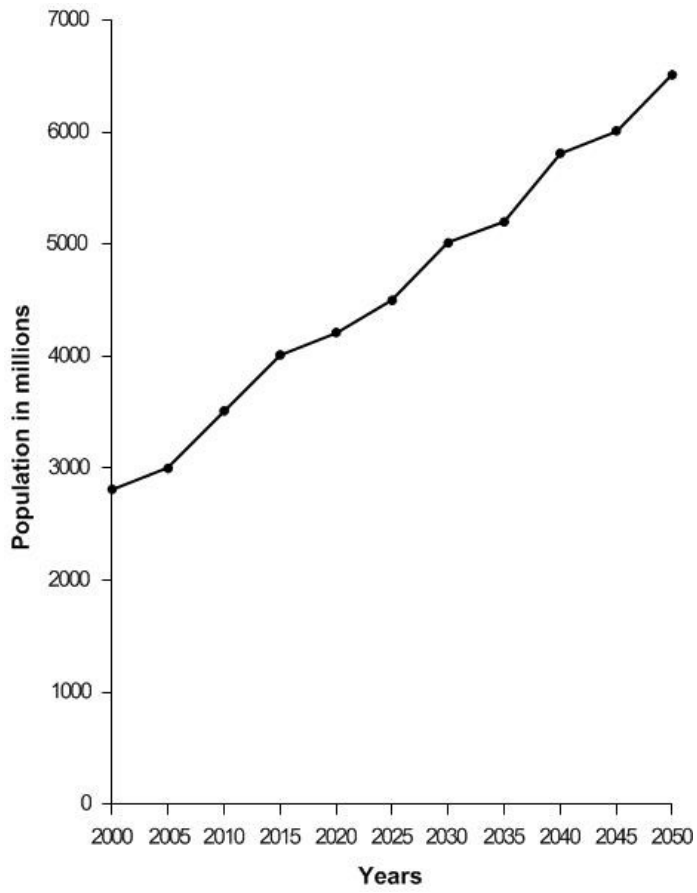


Fig. 4

A line graph showing climate changes between the years 1000 and 1900

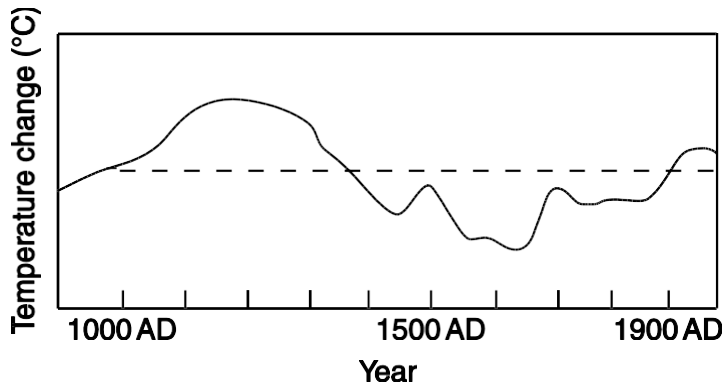


Fig. 5

An Artist's impression of global warming

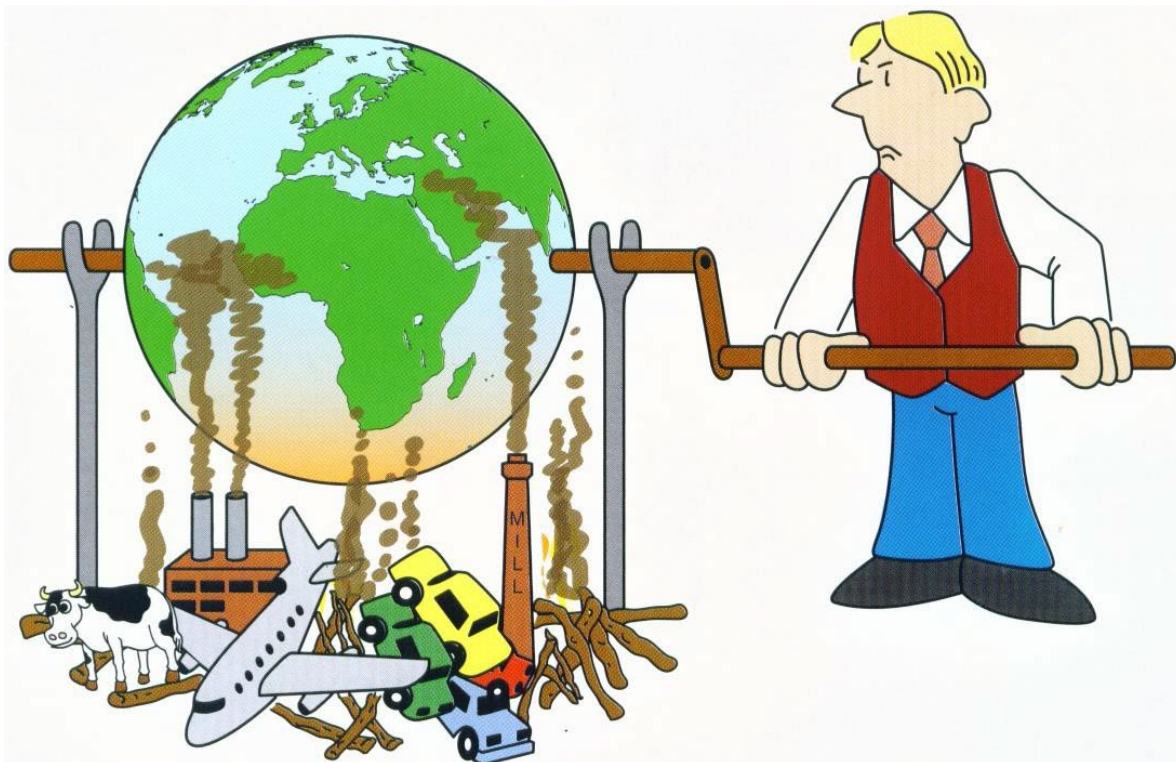
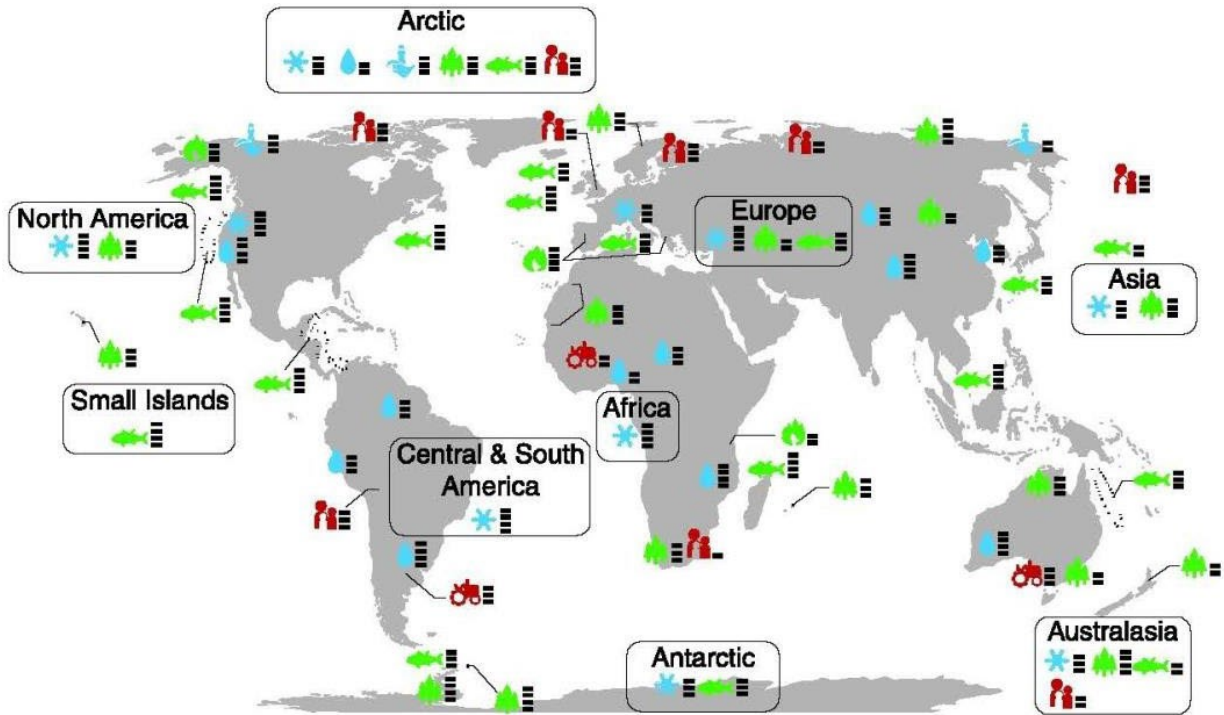


Fig. 6

Consequences of climate change



Categories		
Physical	Biological	Human
<ul style="list-style-type: none"> <li>Glaciers, snow, ice and/or permafrost</li> <li>Rivers, lakes, floods and/or drought</li> <li>Coastal erosion and/or sea level effects</li> </ul>	<ul style="list-style-type: none"> <li>Land (Terrestrial) ecosystems</li> <li>Wildfire</li> <li>Sea (Marine) ecosystems</li> </ul>	<ul style="list-style-type: none"> <li>Food production</li> <li>Livelihoods, health and/or economics</li> </ul>

Significance of consequences

-      =      ≡      ≡≡      ≡≡≡

very    low    med    high    very

low    low    med    high    high

Regional-scale impacts

## Summary of updates

---

Date	Version	Details
July 2021	1.2	Updated copyright acknowledgements.
January 2024	1.3	Updated as part of accessibility improvements.

---

### Copyright Information:

Fig. 5: © 1992-2015 Andrew B. Singer, reproduced by kind permission of Andrew Singer, [www.andysinger.com](http://www.andysinger.com)

Fig. 6: P Based on Figure SPM.2 from IPCC, 2014: Summary for policymakers. In: Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Field, C.B., V.R. Barros, D.J. Dokken, K.J. Mach, M.D. Mastrandrea, T.E. Bilir, M. Chatterjee, K.L. Ebi, Y.O. Estrada, R.C. Genova, B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, P.R. Mastrandrea, and L.L.White (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.

OCR is committed to seeking permission to reproduce all third-party content that it uses in the assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements booklet. This is produced for each series of examinations and is freely available to download from our public website ([www.ocr.org.uk](http://www.ocr.org.uk)) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact the Copyright Team, The Triangle Building, Shaftesbury Road, Cambridge, CB2 8EA.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.

**GCSE (9–1) Geography A  
(Geographical Themes)  
J383/02 The World Around Us  
Sample Question Paper**

**Date – Morning/Afternoon**

Time allowed: 1 hour



**You must have:**

- the Resource Booklet (inside this document)

**You may use:**

- a ruler (cm/mm)
- a scientific or graphical calculator




<b>First name</b>										
<b>Last name</b>										
<b>Centre number</b>						<b>Candidate number</b>				

**INSTRUCTIONS**

- Use black ink. You may use an HB pencil for graphs and diagrams.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question number(s) must be clearly shown.
- Answer **all** the questions.

**INFORMATION**

- The total mark for this paper is **60**.
- The marks for each question are shown in brackets [ ].
- Quality of extended responses will be assessed in questions marked with an asterisk (\*).
- Spelling, punctuation and grammar and the use of specialist terminology (SPaG) will be assessed in questions marked with a pencil ).
- This document has **12** pages.

**ADVICE**

- Read each question carefully before you start your answer.

2  
**Ecosystems of the Planet**

**1**

**(a)** Look at **Fig. 1** in the Resource Booklet.

**(i)** Describe how the cod, seal and polar bear are connected in this ecosystem.

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

**[2]**

**(ii)** Which of the following is a biotic component in the polar marine ecosystem shown in **Fig. 1**?

- A** carbon dioxide
- B** phytoplankton
- C** seafloor
- D** sun's energy

Write the correct letter in the box.

**[1]**

**(b)** Describe the climate found in tropical savannah grassland ecosystems.

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

**[3]**

The Amazon Rainforest in Brazil experiences deforestation. Between 2012 and 2013, 6 000 km<sup>2</sup> of rainforest was cleared. In two Brazilian states there was a combined total of 2 400 km<sup>2</sup> of rainforest cleared between 2012 and 2013.

- (c) Calculate the percentage of rainforest cleared in the two states out of the total rainforest lost between 2012 and 2013.

.....

[1]

- (d) Explain how nutrients are recycled in the tropical rainforest.

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

[4]



**People of the Planet**

**2**

**(a)** Look at **Fig. 2** in the Resource Booklet.

**(i)** Which of the following development indicators is used as part of the HDI calculation?

- A** Birth rate per 1000 people per year
- B** Infant mortality rate
- C** Internet users
- D** Life expectancy at birth

Write the correct letter in the box.

**[1]**

**(ii)** Using **Fig. 2**, describe the pattern of HDI scores for countries of the world.

.....

.....

.....

.....

.....

.....

**[3]**

**(b)** Look at **Fig. 3** in the Resource booklet.

**(i)** Calculate the **percentage increase** of the predicted urban population between 2015 and 2050.

.....

**[1]**

There are a number of push and pull factors that cause rapid urbanisation in low- income developing countries (LIDCs).

(ii) Explain how **two** push factors cause rapid urbanisation in LIDCs.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

**[4]**



**Environmental threats to our Planet**

**3**

**(a)** Look at **Fig. 4** in the Resource Booklet.

Which of these years was in the medieval warm period?

- A** 1200
- B** 1500
- C** 1700
- D** 1900

Write the correct letter in the box.

**[1]**

Look at **Fig. 5** in the Resource Booklet.

**(b)** Using evidence from **Fig. 5**, explain how human activity creates the enhanced greenhouse effect.

.....

.....

.....

.....

.....

.....

.....

.....

.....

**[4]**

Look at **Fig. 6** in the Resource Booklet.

**(c)** State which category has been affected most by the consequences of climate change. Give a reason for your answer.

.....

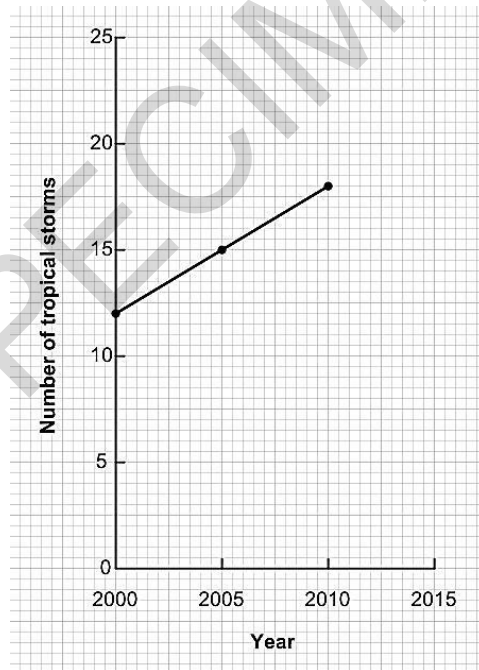
.....

.....

.....

**[2]**

Graph to show the number of tropical storms globally



(d) Using the graph above, make a prediction for the number of tropical storms globally in 2015.

..... [1]

(e) Explain the distribution of tropical storms and whether this has changed over time.

.....  
.....  
.....  
.....  
.....  
..... [3]

**Case Study**

**Drought caused by El Niño/La Niña**

Drought studied: .....

(f) Explain how El Niño/La Niña leads to drought in your case study area.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

**[6]**



## Summary of updates

---

Date	Version	Details
January 2024	1.5	Updated as part of accessibility improvements.

---

### Copyright Information:

OCR is committed to seeking permission to reproduce all third-party content that it uses in the assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements booklet. This is produced for each series of examinations and is freely available to download from our public website ([www.ocr.org.uk](http://www.ocr.org.uk)) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact the Copyright Team, The Triangle Building, Shaftesbury Road, Cambridge, CB2 8EA.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.