

A Level Geography H481/01 Physical systems

Sample Resource Booklet

Version 1.1

Time allowed: 1 hour 30 minutes

INFORMATION FOR CANDIDATES

- The questions tell you which resources you need to use.
- This document consists of 4 pages. Any blank pages are indicated.

INSTRUCTIONS TO EXAMS OFFICER/INVIGILATOR

- Do not send this Resource Booklet for marking, it should be retained in the centre or recycled. Please contact OCR copyright should you wish to re-use this document.

CONTENTS OF RESOURCE BOOKLET

- Standard deviation formula
- Fig.1 – Coastal landscape in the United Kingdom
- Fig.2 – Glaciated landscape in Norway
- Fig.3 – Dryland landscape in Algeria
- Fig.4 – Atmospheric CO₂ changes 1700-2015

Standard deviation formula

$$\sigma = \sqrt{\frac{\sum (x - \bar{x})^2}{n}}$$

Fig. 1 - Coastal landscape in the United Kingdom**A**

Fig. 2 - Glaciated landscape in Norway



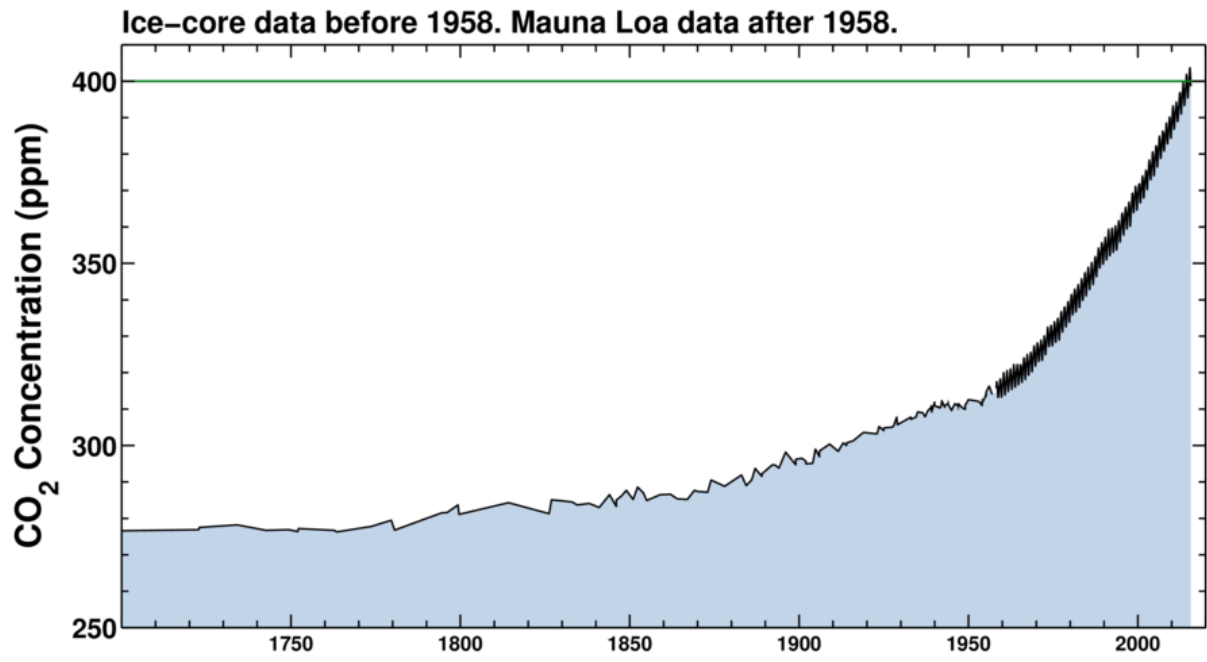
B

Fig. 3 - Dryland landscape in Algeria



C

Fig. 4 – Atmospheric CO₂ changes 1700-2015



Summary of updates

Date	Version	Details
July 2021	1.1	Updated copyright acknowledgements.

Copyright Information:

Fig. 1: Image: The Green Bridge of Wales, Near Castlemartin, Pembrokeshire, Wales, UK, © Guy Edwardes Photography. Image supplied by Alamy, www.alamy.com

Fig. 2: Image: Midmaradalen and Hurrungane from the summit of Friken, Jotunheimen National Park, Sogn og Fjordane, Norway, © LowePhoto. Image supplied by Alamy, www.alamy.com

Fig. 3: Image: Rock formation, Tassili du Hogga, Algeria, © Prisma Bildagentur AG. Image supplied by Alamy, www.alamy.com

Fig. 4: Graph: Data from : http://scrippsco2.ucsd.edu/data/atmospheric_co2/primary_mlo_co2_record C. D. Keeling, S. C. Piper, R. B. Bacastow, M. Wahlen, T. P. Whorf, M. Heimann, and H. A. Meijer, Exchanges of atmospheric CO₂ and ¹³CO₂ with the terrestrial biosphere and oceans from 1978 to 2000. I. Global aspects, SIO Reference Series, No. 01-06, Scripps Institution of Oceanography, San Diego, 88 pages, 2001. <http://escholarship.org/uc/item/09v319r9> CO₂ data before 1958 going back 2000 years <http://doi.org/10.6075/J08W3BHW> AND <https://www.ncdc.noaa.gov/paleo-search/study/9959> MacFarling Meure, C., D. Etheridge, C. Trudinger, P. Steele, R. Langenfelds, T. van Ommen, A. Smith, and J. Elkins. 2006. The Law Dome CO₂, CH₄ and N₂O Ice Core Records Extended to 2000 years BP. Geophysical Research Letters, Vol. 33, No. 14, L14810 [10.1029/2006GL026152](https://doi.org/10.1029/2006GL026152). <https://doi.org/10.1029/2006GL026152>

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) 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, First Floor, 9 Hills Road, Cambridge CB2 1GE.

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.