

A Level Geography

H481/03 Geographical debates

Question Set 33

Exploring Oceans

- 1 (a) Identify **three** limitations of **Fig. 1** as a source of information about the world's oceans. [3]
- (b) Explain factors that influence the biodiversity in inter-tidal ecosystems. [6]

Total Marks for Question Set 33: 9

Fig. 1 – An extract adapted from a report on the global distribution, areas and volumes of the world's oceans

The five oceans from smallest to largest are: the Arctic, Southern, Indian, Atlantic and Pacific. These five oceans are connected and are actually one huge body of water, called the global ocean or just the ocean. The Southern Ocean is predominately deep water, averaging 4000–5000 m deep. There is a seven-fold increase in the size of the Antarctic pack ice between March and September. The Pacific Ocean covers a third of the Earth's surface, has an area of 179.7 million km² and extends about 15 500 km from the Bering Sea in the Arctic all the way to the icy waters of Antarctica's Ross Sea in the south. The average depth of the Arctic Ocean is approximately 1200 metres and its estimated volume is 19 million cubic kilometres.



Oxford Cambridge and RSA

Copyright Information

OCR is committed to seeking permission to reproduce all third-party content that it uses in its 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 OCR 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