



Cambridge Pre-U

GEOGRAPHY

9768/44

Paper 4 Research Topic

May/June 2022

INSERT

1 hour 5 minutes

INFORMATION

- This insert contains all the resources referred to in the questions.
- You may annotate this insert and use the blank spaces for planning. **Do not write your answers** on the insert.



This syllabus is regulated for use in England, Wales and Northern Ireland as a Cambridge International Level 3 Pre-U Certificate.

This document has **12** pages. Any blank pages are indicated.

Fig. 1.1 for Question 1

Part of the Central Business District (CBD) of a major UK city



Fig. 1.2 for Question 1

The location of shops and financial services in the CBD of Hexham, a market town in Northumberland, UK

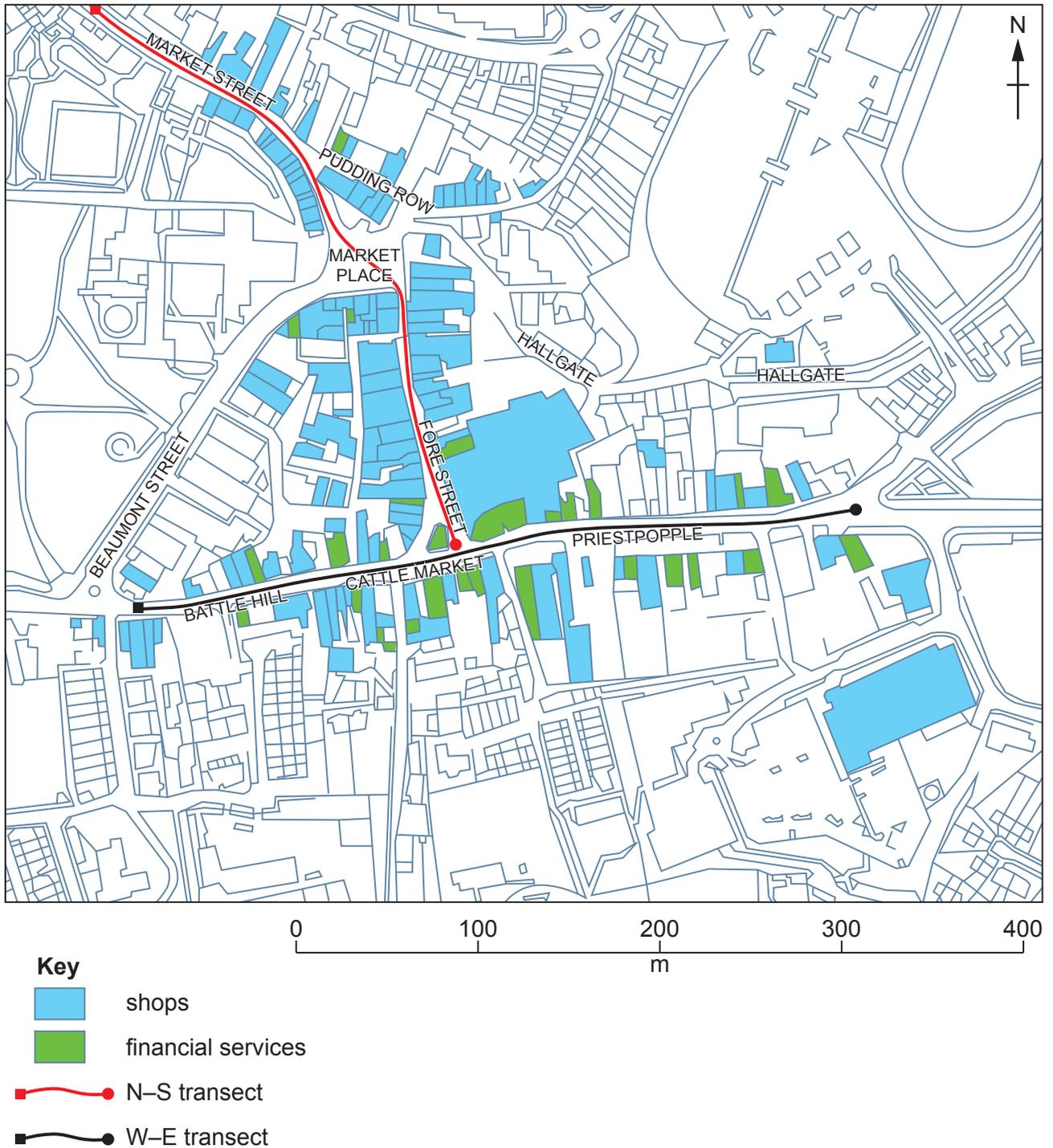


Fig. 1.3 for Question 1

Rateable values along two transects through the CBD of Hexham

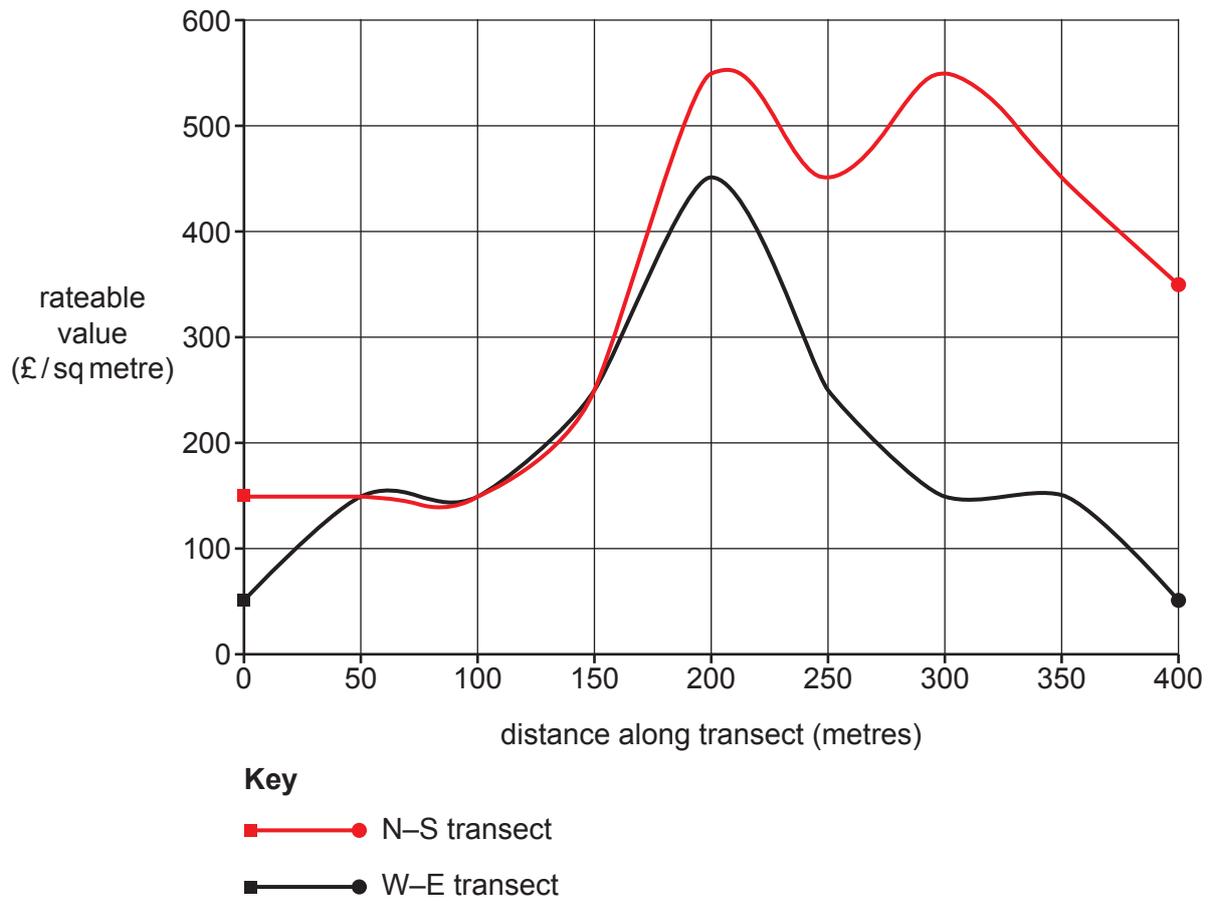
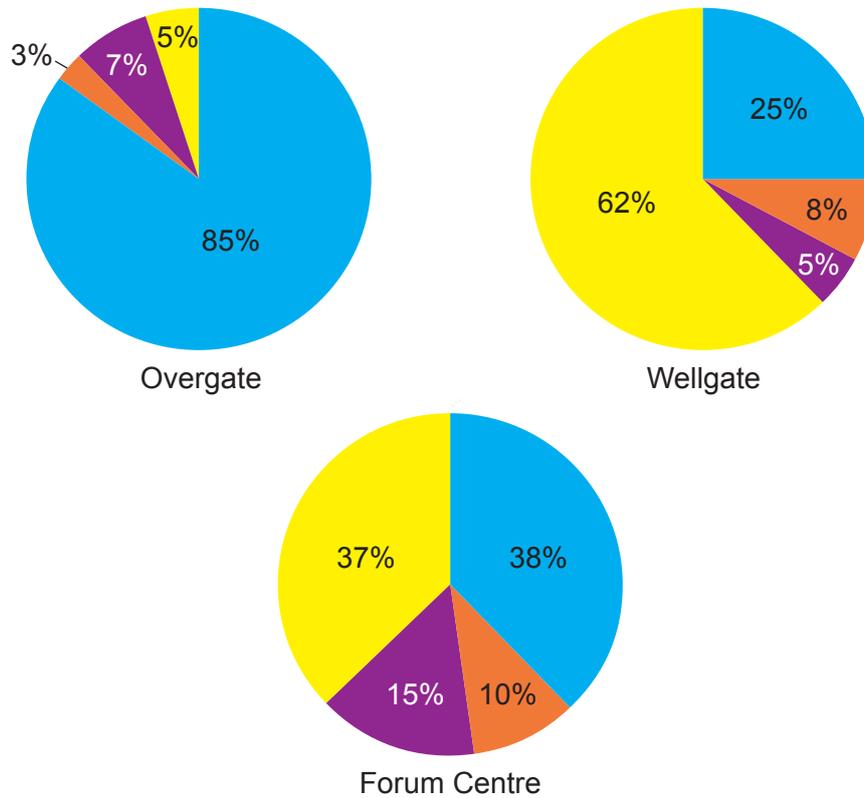


Fig. 3.1 for Question 3

Land use percentages in three shopping malls in the centre of Dundee, Scotland



Key

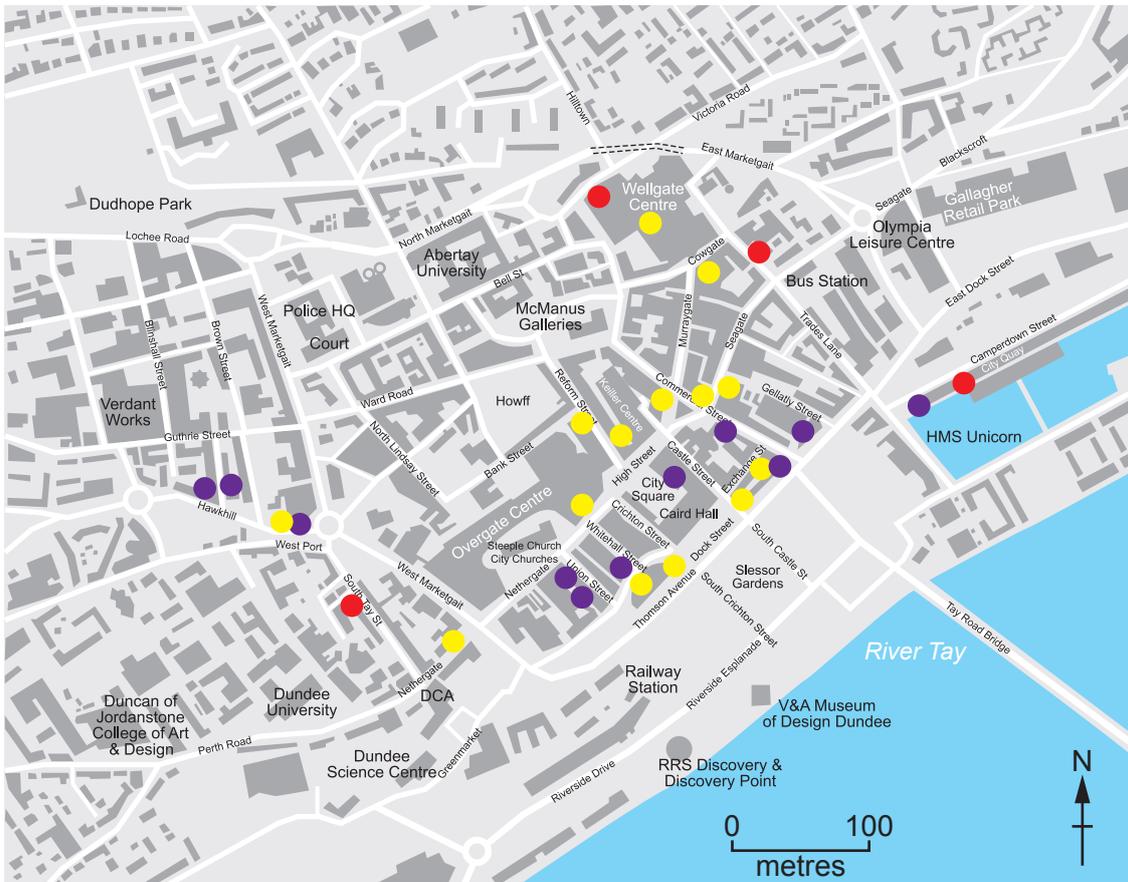
land use

- units selling comparison goods
- units selling convenience goods
- non-retail*
- vacant units

*non-retail land use such as play-areas, information zones, management offices etc.

Fig. 3.2 for Question 3

Takeaway food outlets in the centre of Dundee, 2019



Key

- Chinese food
- English/Scottish food
- Italian/Indian/others food

Fig. 4.1 for Question 4

Number of store openings and closures in England, Scotland and Wales, 2014–2019

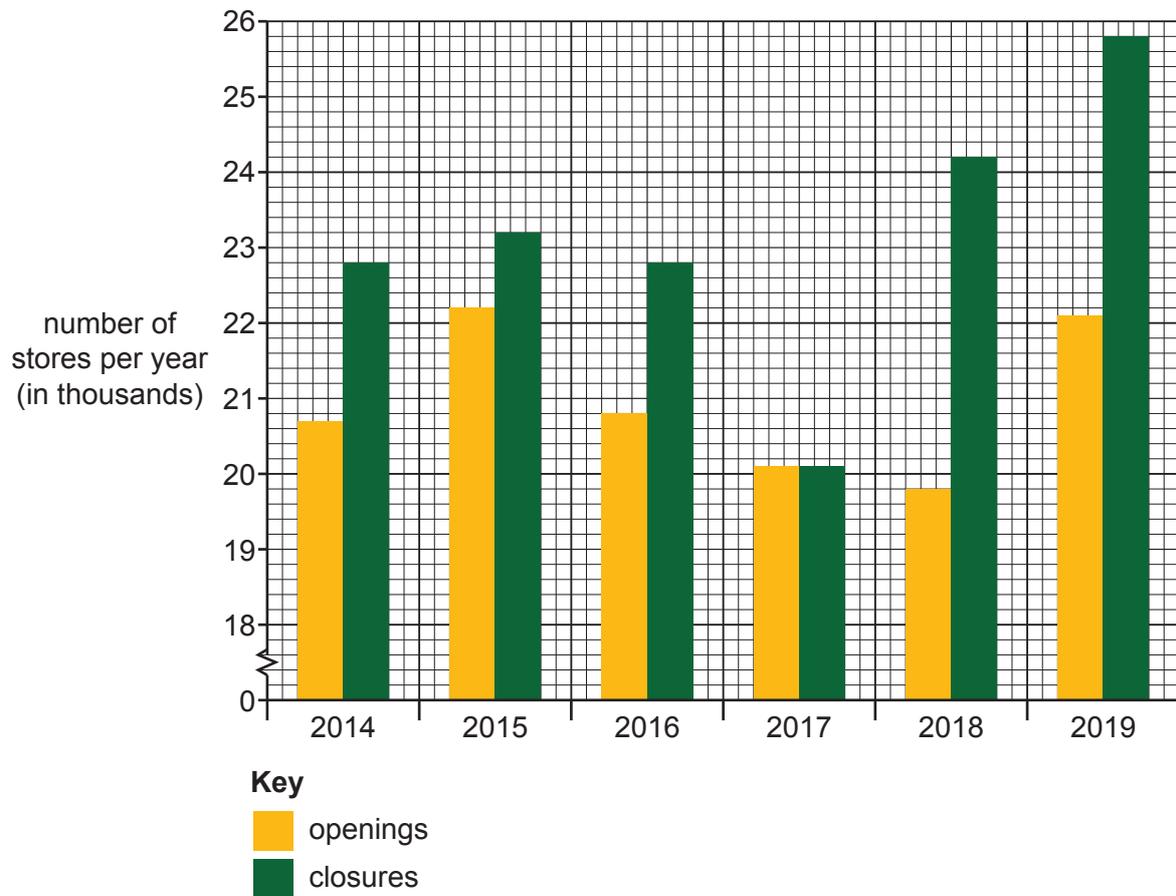


Fig. 5.1 for Question 5

Blue crab populations in Chesapeake Bay, USA, 2007–2016

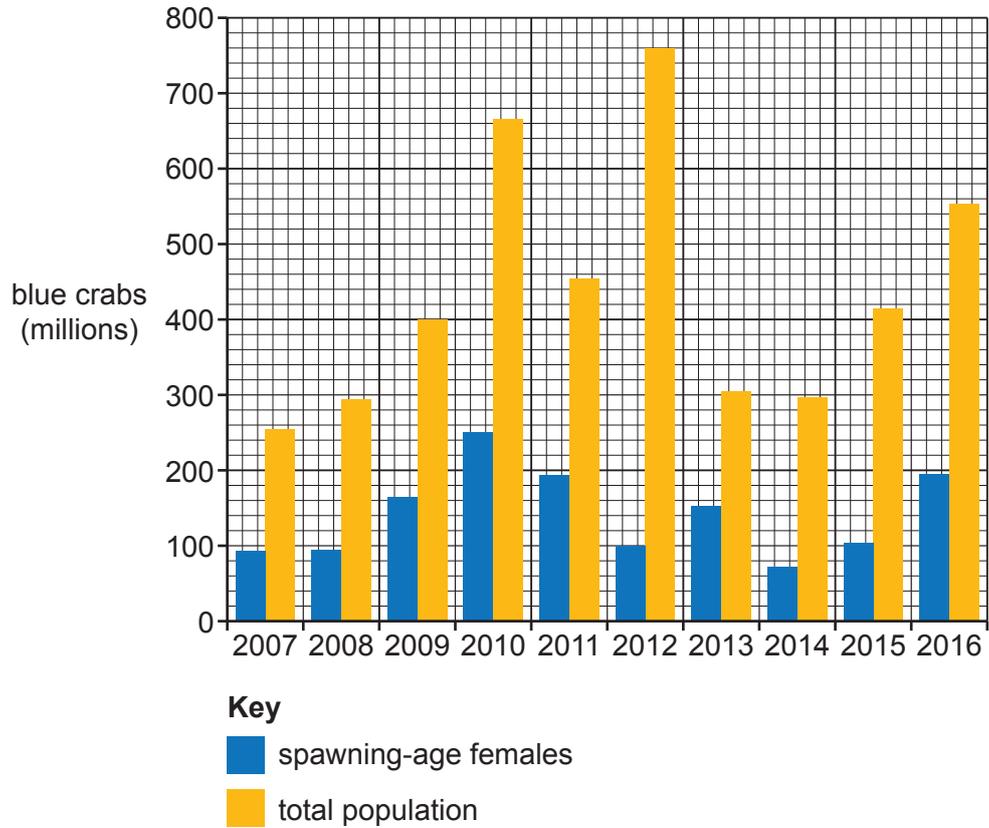
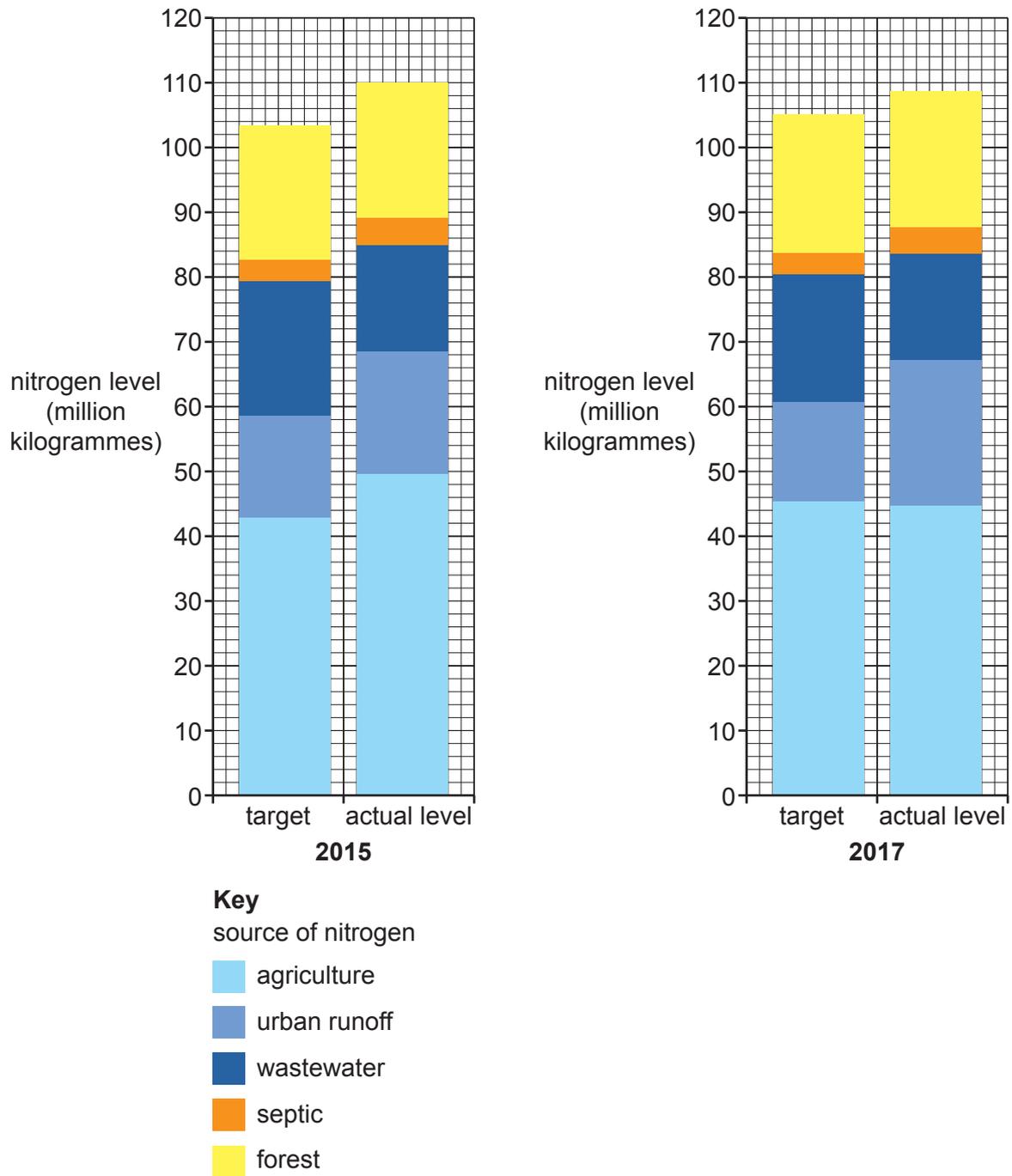


Fig. 5.2 for Question 5

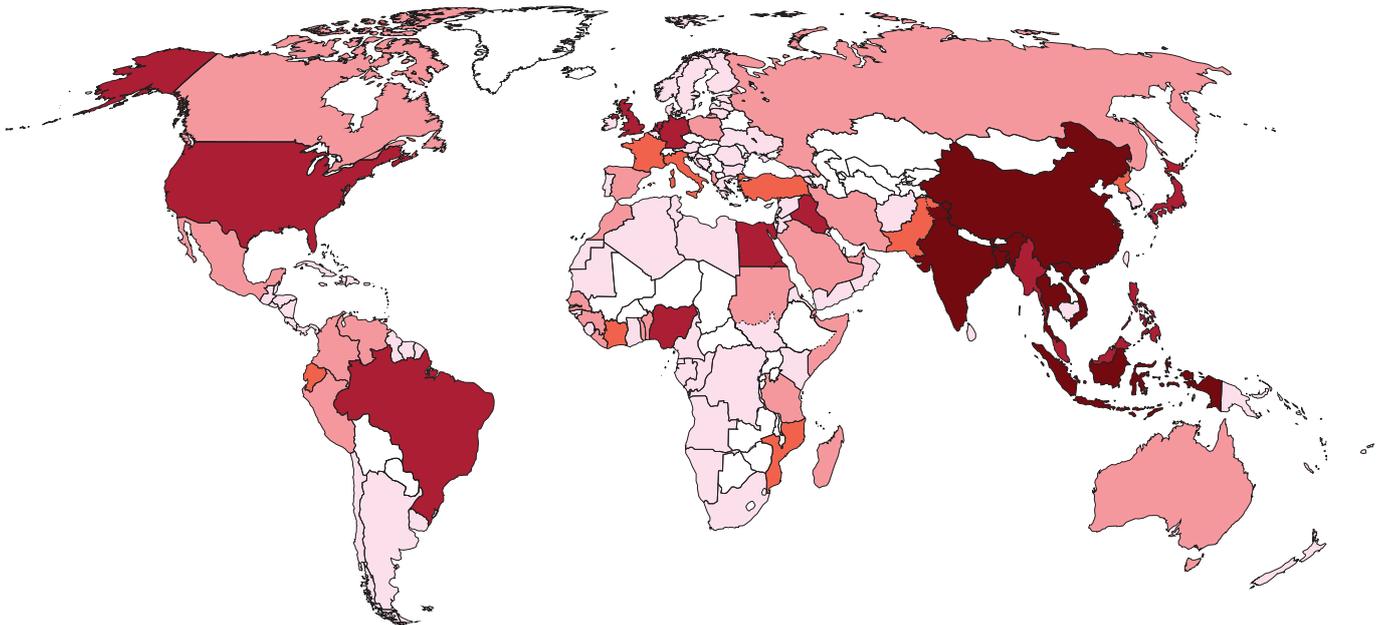
Nitrogen levels and targets* by source in Chesapeake Bay, USA, in 2015 and 2017



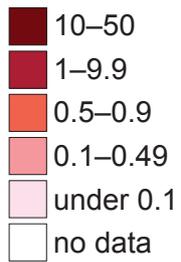
* targets are the maximum levels of nitrogen which are considered environmentally acceptable in Chesapeake Bay

Fig. 6.1 for Question 6

Number of people per country living on land expected to be below sea level by 2100

**Key**

number of people (millions)



BLANK PAGE

The boundaries and names shown, the designations used and the presentation of material on any maps contained in this question paper/insert do not imply official endorsement or acceptance by Cambridge Assessment International Education concerning the legal status of any country, territory, or area or any of its authorities, or of the delimitation of its frontiers or boundaries.

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in the Cambridge Assessment International Education Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cambridgeinternational.org after the live examination series.

Cambridge Assessment International Education is part of Cambridge Assessment. Cambridge Assessment is the brand name of the University of Cambridge Local Examinations Syndicate (UCLES), which is a department of the University of Cambridge.