



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.



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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

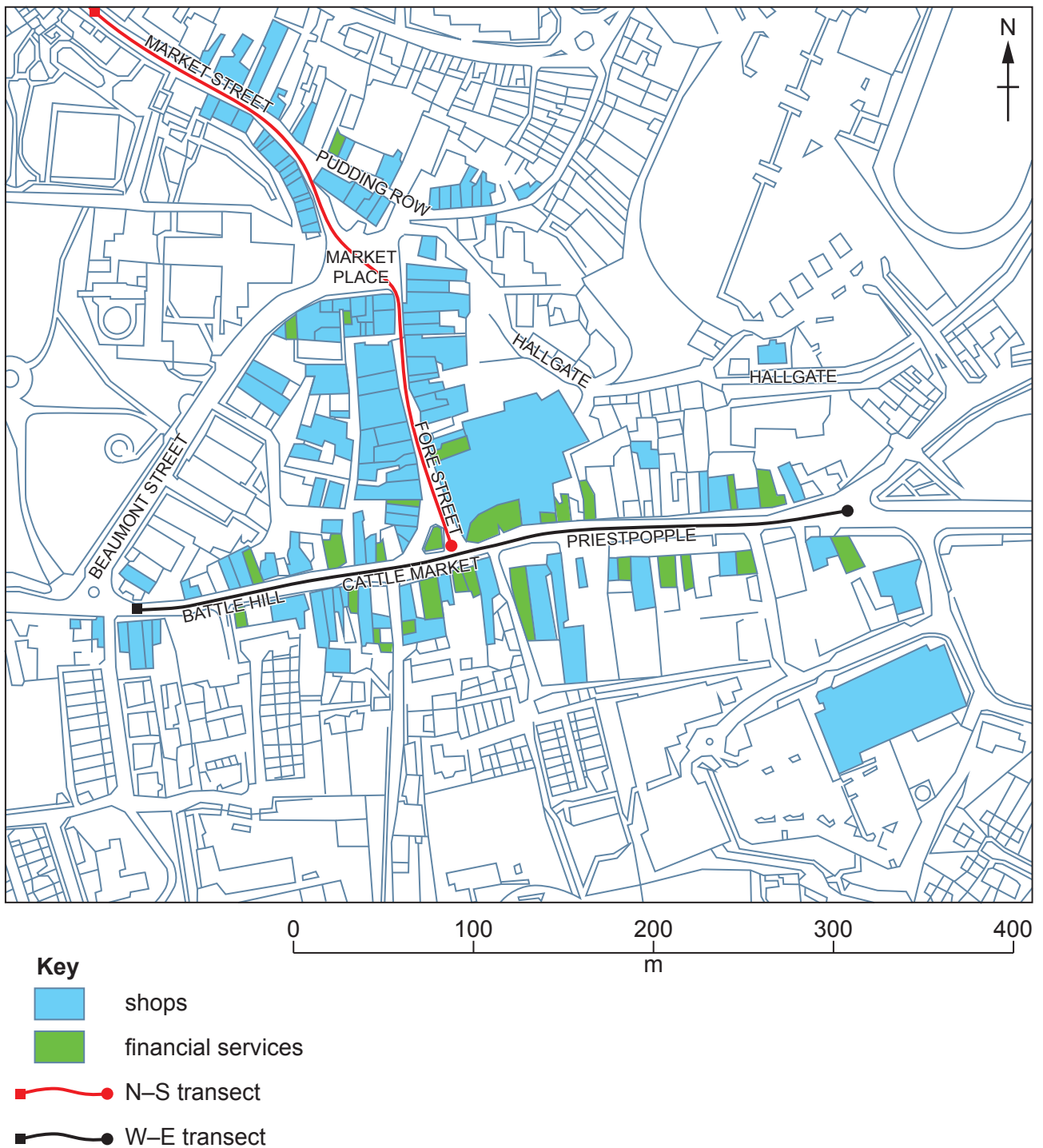


Fig. 1.3 for Question 1

Rateable values along two transects through the CBD of Hexham

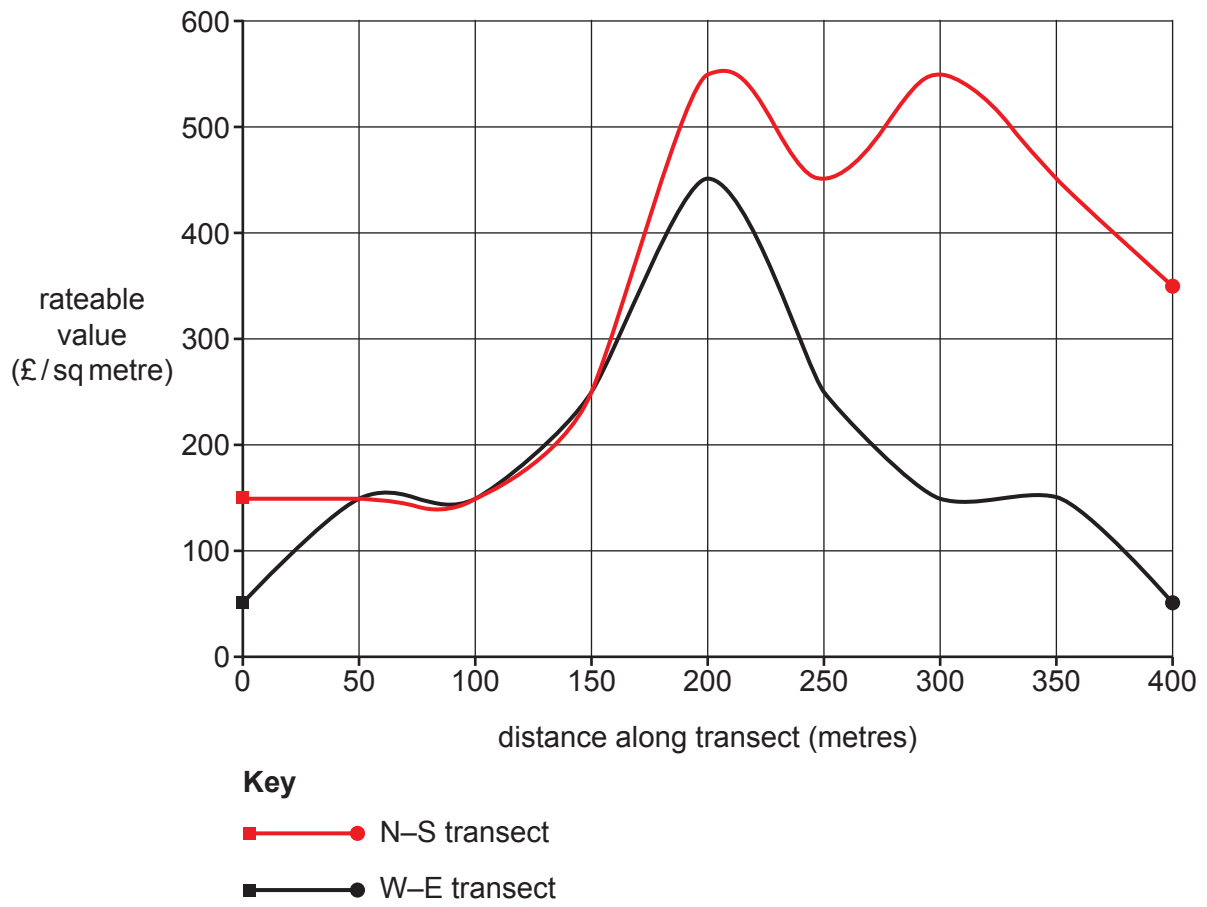
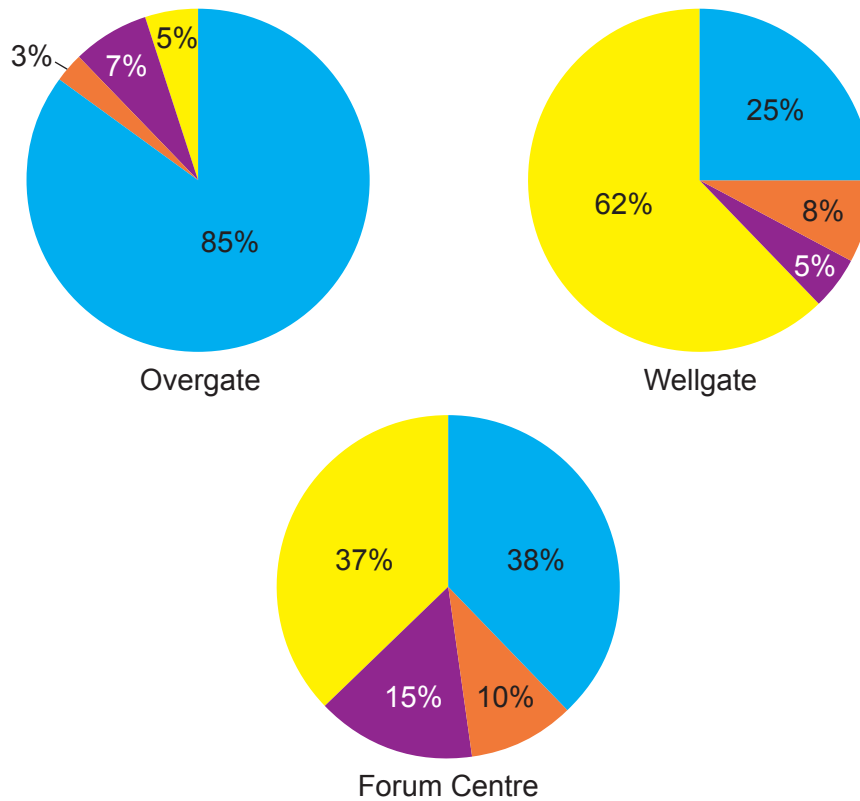


Fig. 3.1 for Question 3

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



Key

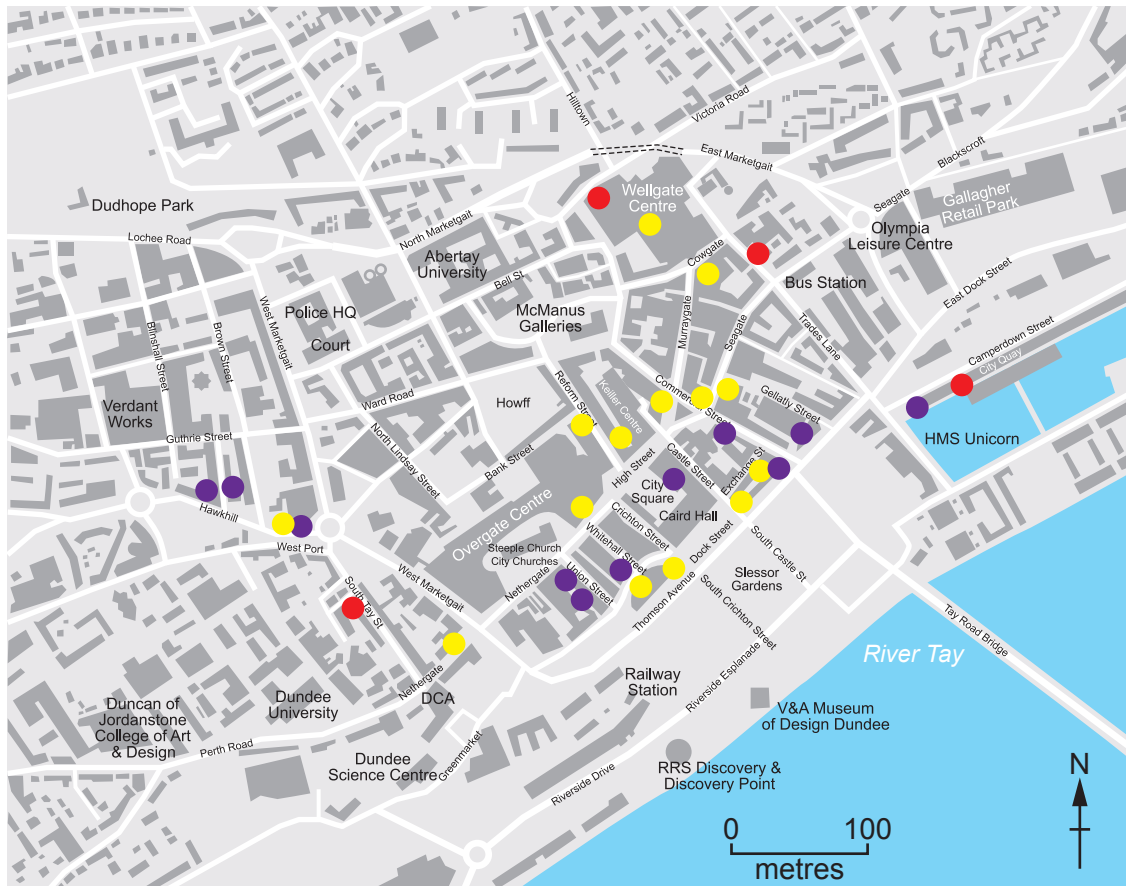
land use

- 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

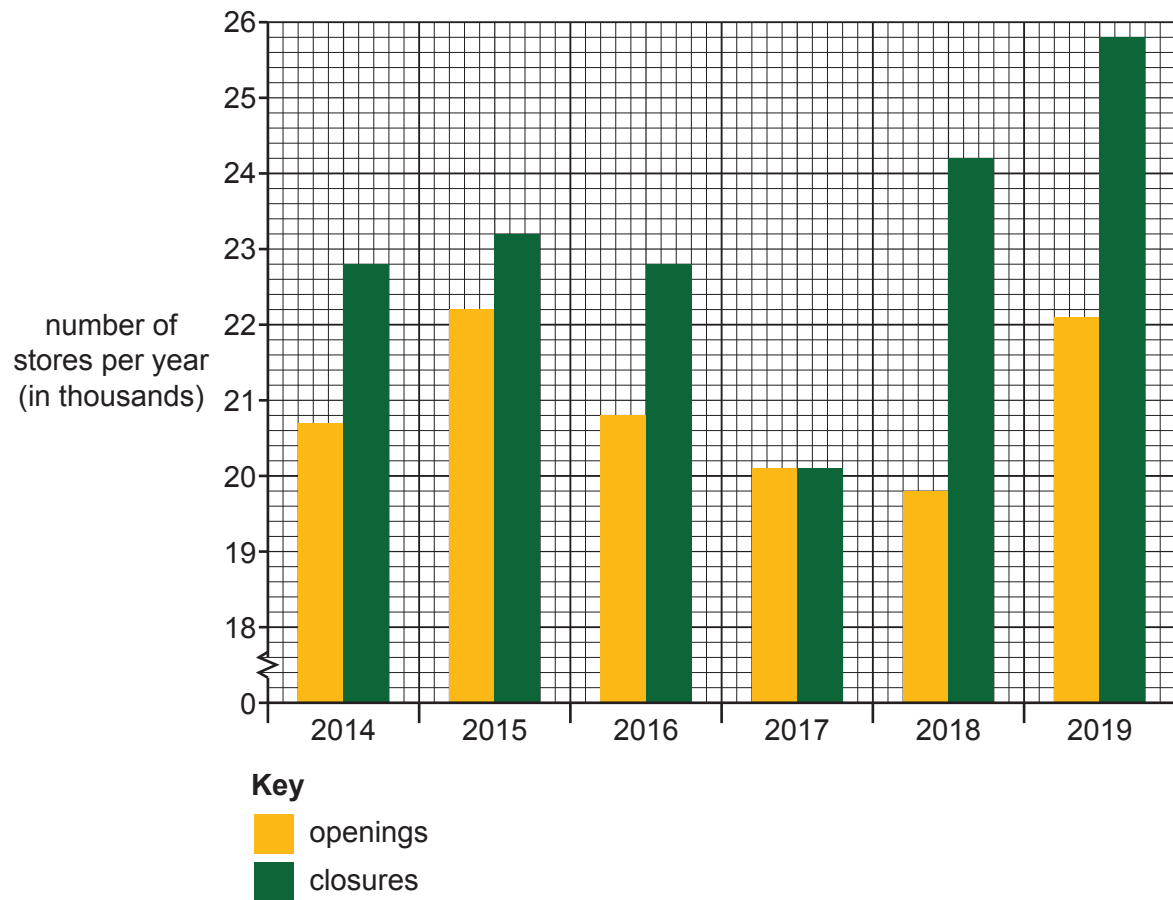


Fig. 5.1 for Question 5

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

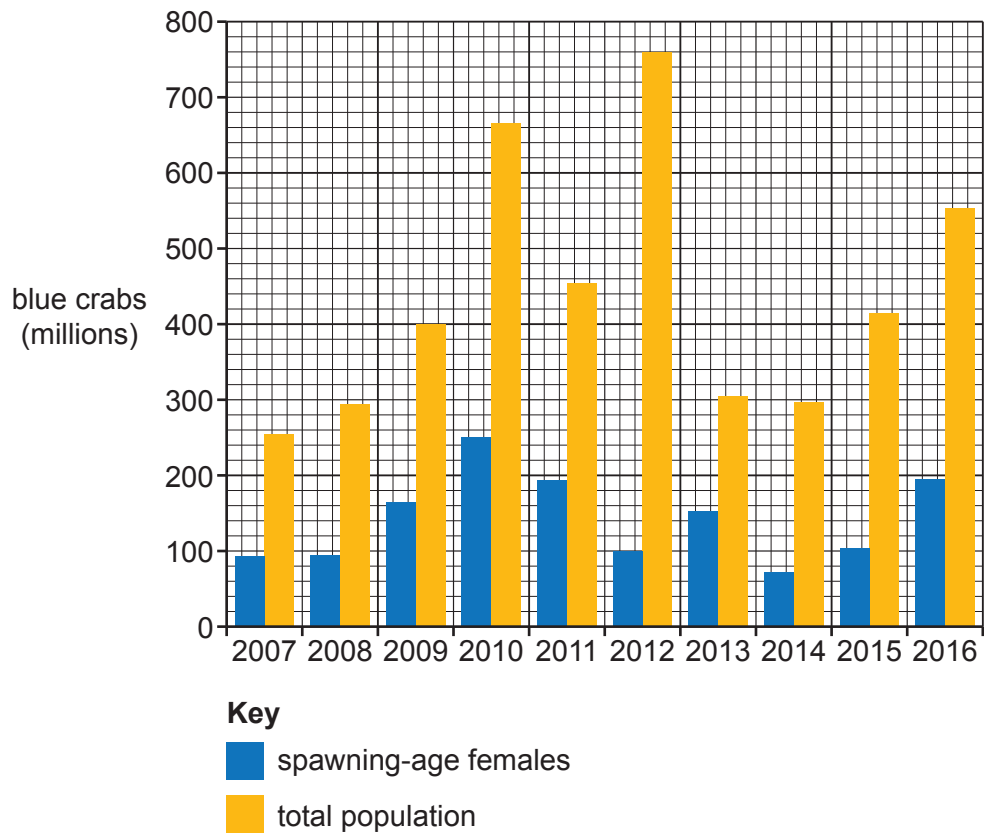
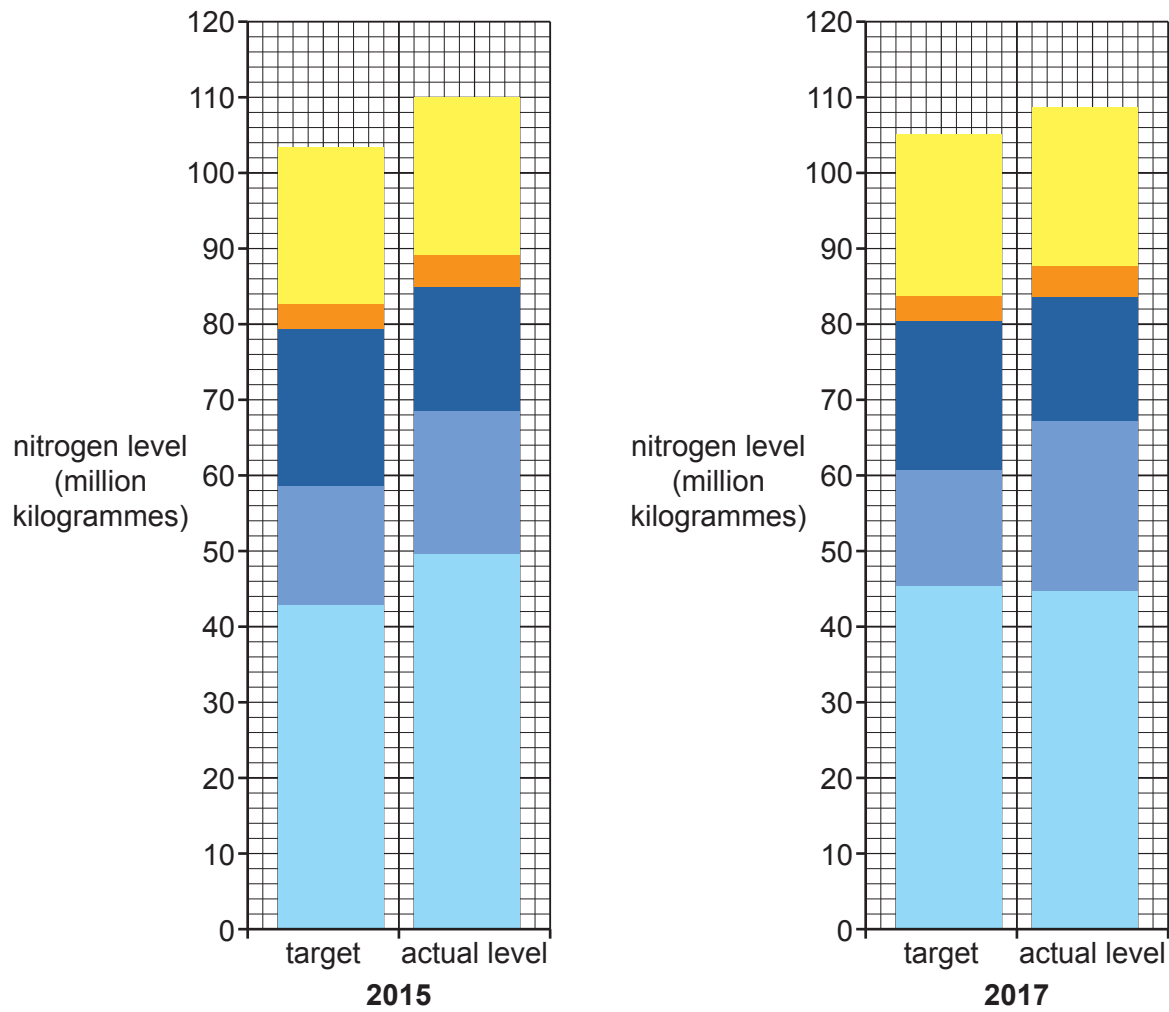


Fig. 5.2 for Question 5

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

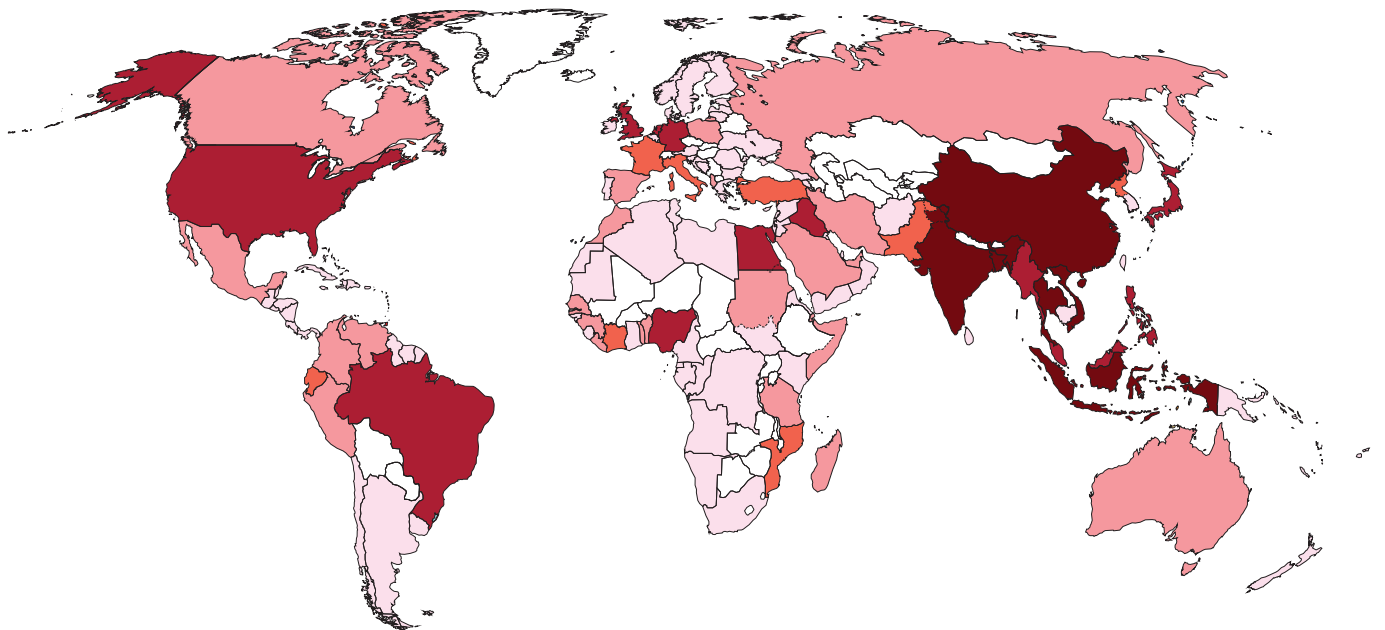


- Key**
 source of nitrogen
- agriculture
 - urban runoff
 - wastewater
 - septic
 - forest

* 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)

- 10–50
- 1–9.9
- 0.5–0.9
- 0.1–0.49
- under 0.1
- no data

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