

Victorian Certificate of Education  
2022

SUPERVISOR TO ATTACH PROCESSING LABEL HERE

STUDENT NUMBER

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# GEOGRAPHY

## Written examination

Friday 11 November 2022

Reading time: 11.45 am to 12.00 noon (15 minutes)

Writing time: 12.00 noon to 2.00 pm (2 hours)

### QUESTION AND ANSWER BOOK

#### Structure of book

<i>Number of questions</i>	<i>Number of questions to be answered</i>	<i>Number of marks</i>
9	9	80

- Students are permitted to bring into the examination room: pens, pencils, highlighters, erasers, sharpeners, rulers, coloured pencils, water-based pens and markers.
- Students are NOT permitted to bring into the examination room: blank sheets of paper and/or correction fluid/tape.
- No calculator is allowed in this examination.

#### Materials supplied

- Question and answer book of 16 pages, including **assessment criteria for extended-answer questions** on page 16
- Data book
- Additional space is available at the end of the book if you need extra space to complete an answer.

#### Instructions

- Write your **student number** in the space provided above on this page.
- All written responses must be in English.

#### At the end of the examination

- You may keep the data book.

**Students are NOT permitted to bring mobile phones and/or any other unauthorised electronic devices into the examination room.**

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**Instructions**

Answer **all** questions in the spaces provided. Refer to the data book as indicated.

*Use Figure 1 on pages 2 and 3 of the data book when responding to Question 1.*

**Question 1** (6 marks)

Describe two natural characteristics of the Kennicott Glacier that are evident in Figure 1.

Characteristic 1 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Characteristic 2 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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**Question 5** (12 marks)

Name the location of your selected area of fieldwork.

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- a. How is the land use change at your selected area of fieldwork related to your research question?

3 marks

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- b. Outline the time sequence of land use change that has recently occurred, is underway or is planned to occur at your selected area of fieldwork.

2 marks

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**Question 7** (8 marks)

- a. How has international migration contributed to population change in **one** selected country of origin?

4 marks

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- b. How has international migration contributed to population change in **one** selected country of destination?

4 marks

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**Assessment criteria for extended-answer questions**

The extended-answer questions will be assessed against the following criteria, as appropriate:

- application of geographical knowledge and understanding
- demonstration of geographical skills
- description and application of key geographical concepts
- interpretation and analysis of data and other geographical information

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**DATA BOOK**

**Instructions**

A question and answer book is provided with this data book.

Refer to the data in this book for each question as indicated in the question and answer book.

The data contained in this book is drawn from real-world case studies.

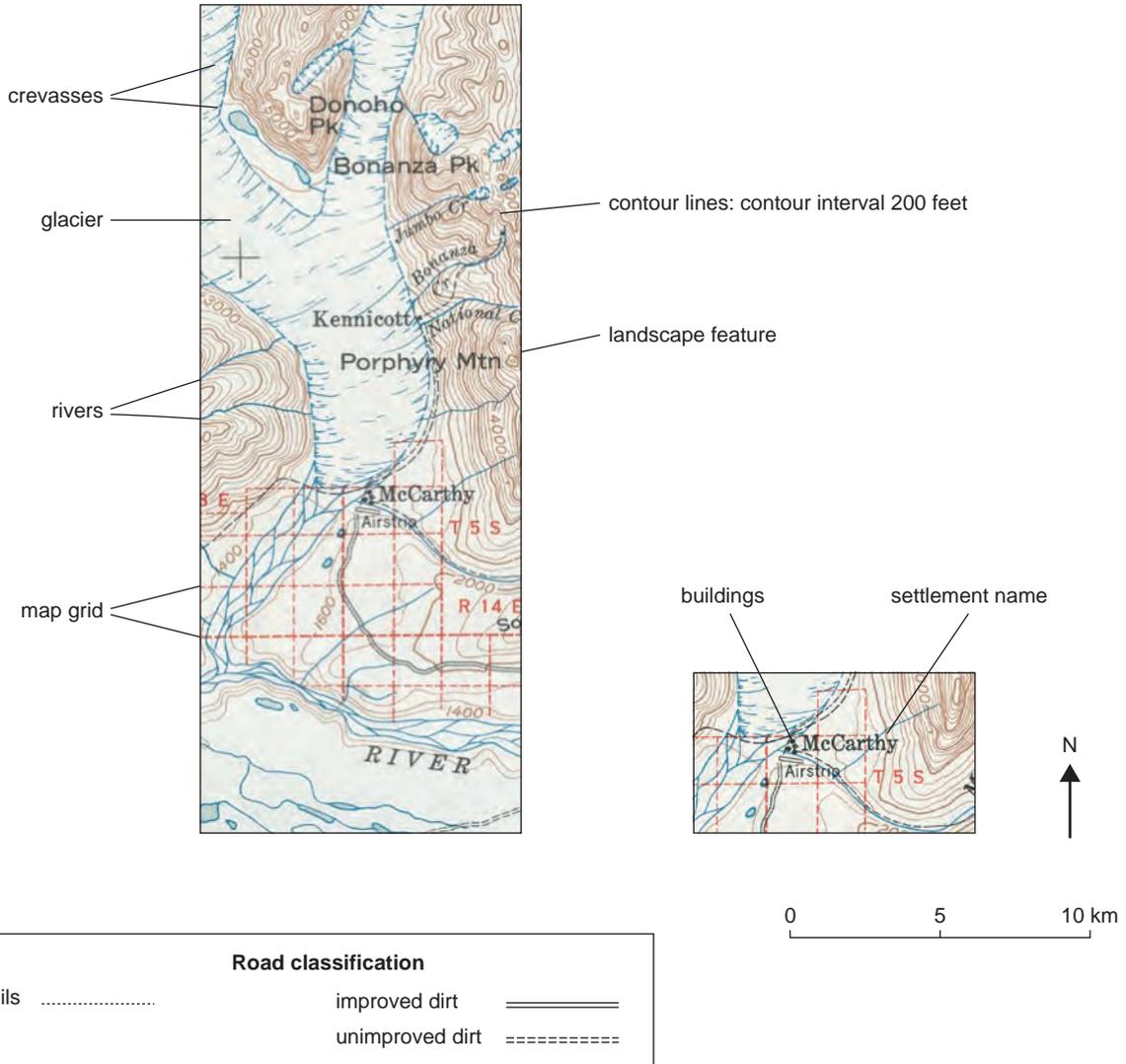
**Students are NOT permitted to bring mobile phones and/or any other unauthorised electronic devices into the examination room.**

# Figure 1 | Land cover change



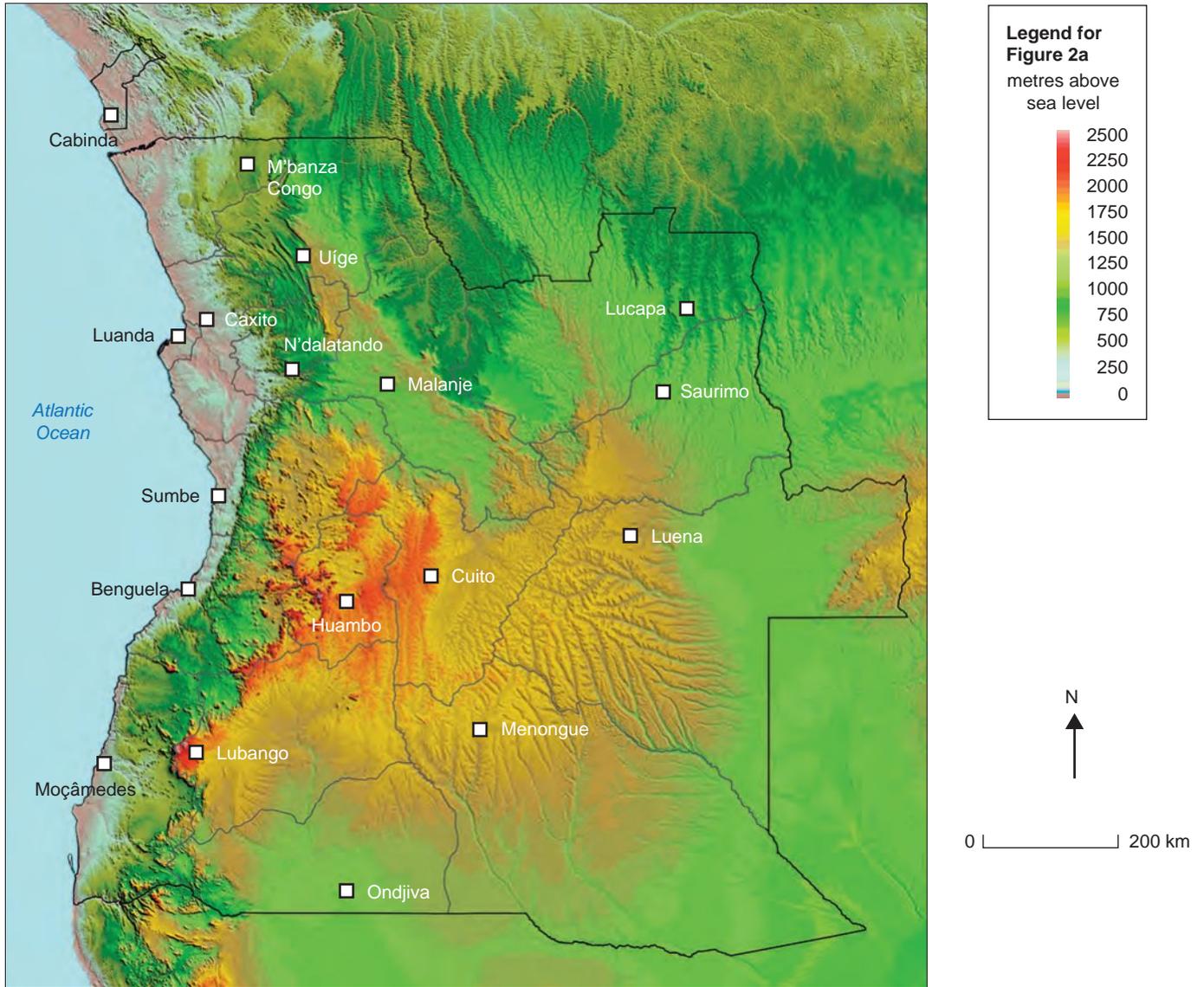
Figure 1: Topographic map, Kennicott Glacier, Alaska

**Legend for Figure 1**



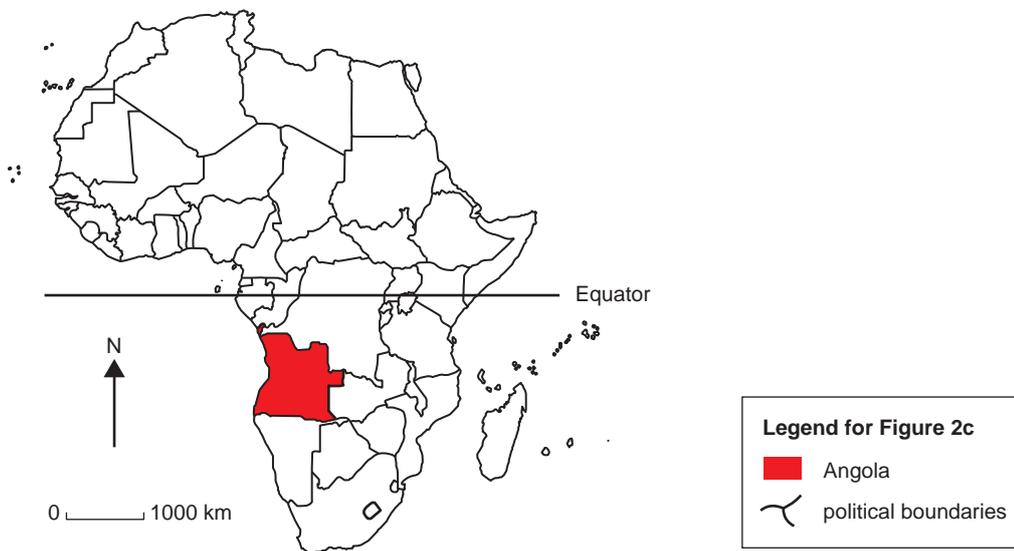
Source: adapted from *McCarthy, Alaska*,  
The Geographical Survey, 1951

# Figure 2 | Land cover change

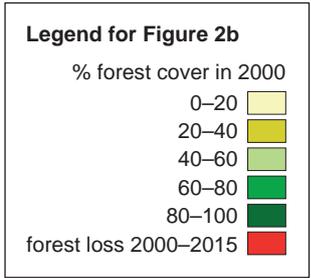
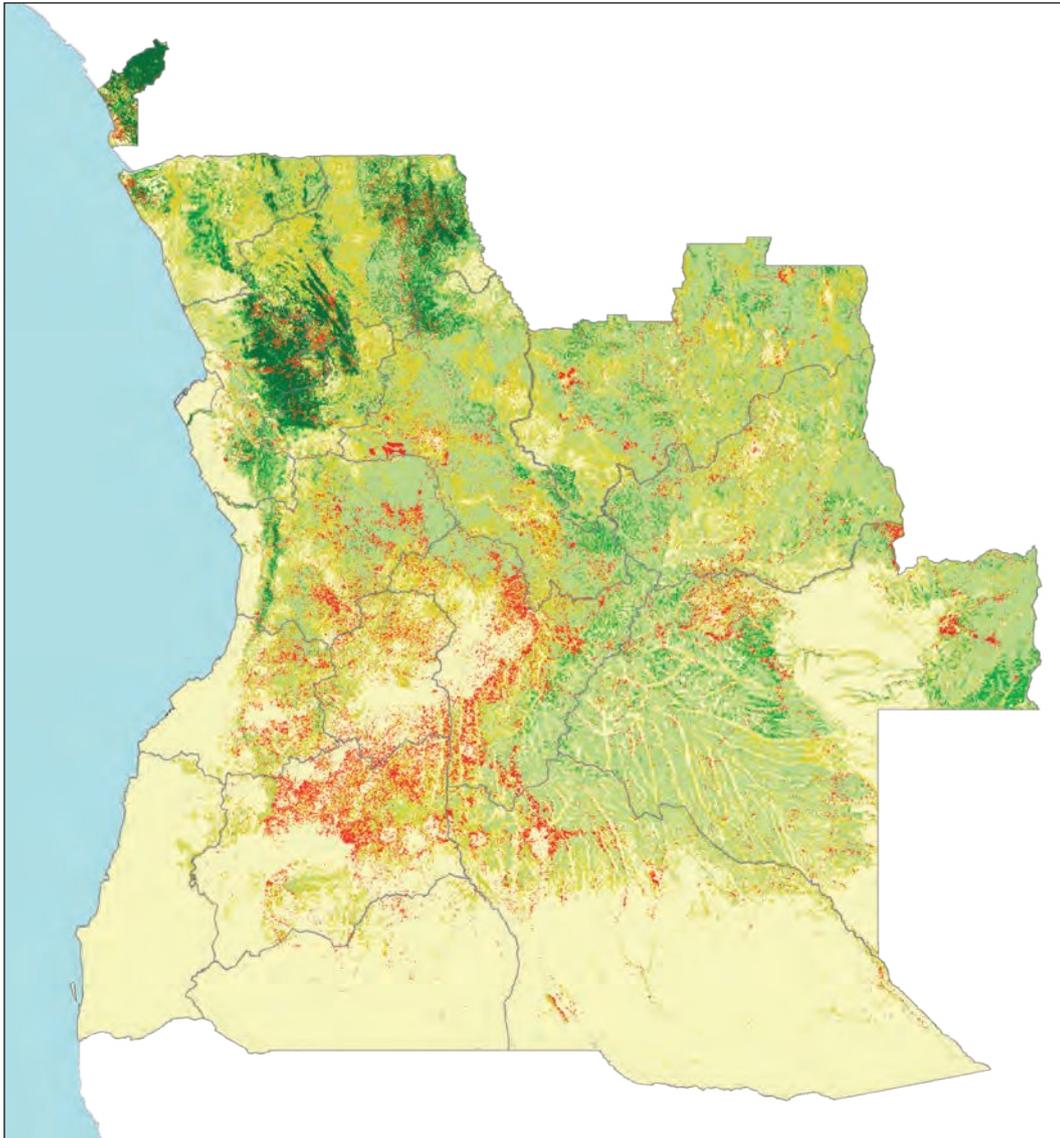


**Figure 2a: Angola, geographical features**

Source: adapted from Brian J Huntley et al. (eds), *Biodiversity of Angola: Science and Conservation: A Modern Synthesis*, Springer Open, Cham, Switzerland, 2019, p. 17



**Figure 2c: Location map for Angola, Africa**

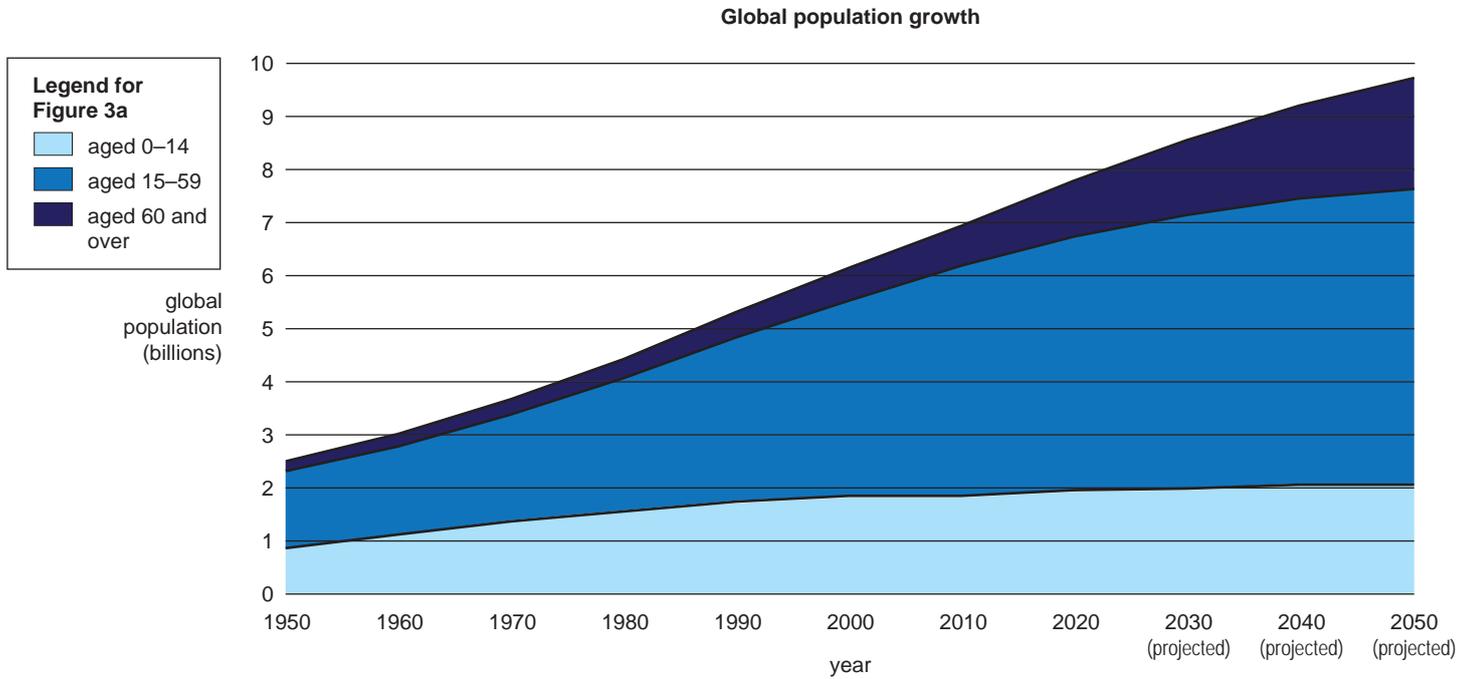


0 |—————| 200 km

**Figure 2b: Angola, forest cover and loss, 2000–2015**

Source: adapted from Brian J Huntley et al. (eds), *Biodiversity of Angola: Science and Conservation: A Modern Synthesis*, Springer Open, Cham, Switzerland, 2019, p. 125

# Figure 3 | Human population

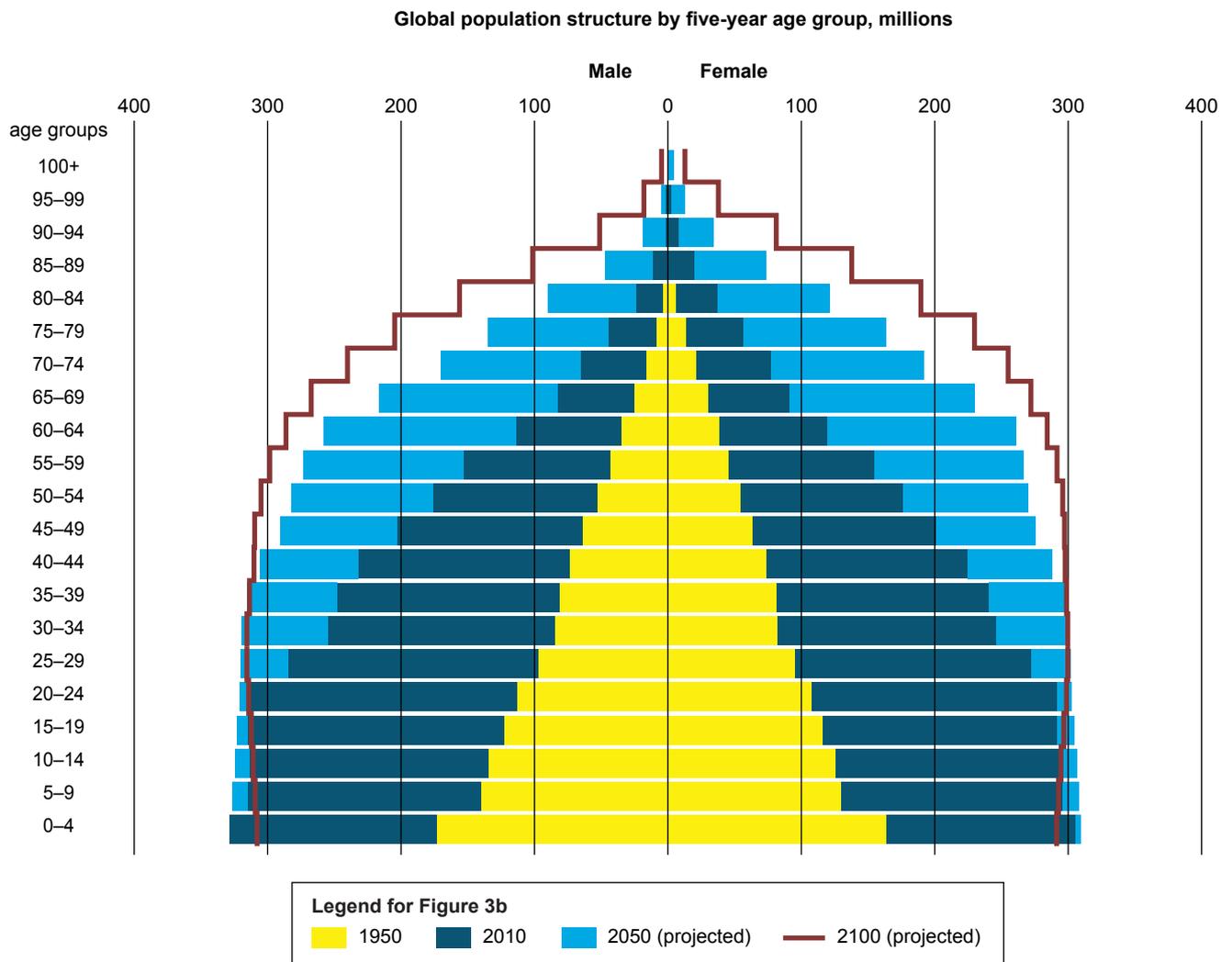


**Age groups and percentage of total population by year**

	1950	1960	1970	1980	1990	2000	2010	2020	2030 (projected)	2040 (projected)	2050 (projected)
<b>Aged 0–14</b>	34.3	37.2	37.5	35.3	32.8	30.1	27.0	25.4	23.6	22.1	21.1
<b>Aged 15–59</b>	57.7	55.1	54.2	56.1	58.0	59.9	62.0	61.1	59.9	59.0	57.5
<b>Aged 60 and over</b>	8.0	7.8	8.2	8.6	9.2	9.9	11.0	13.5	16.5	18.9	21.4

Data: United Nations, Department of Economic and Social Affairs, Population Division (2019).  
World Population Prospects 2019, custom data acquired via website

**Figure 3a: Global population growth, 1950–2050**



**Figure 3b: Global population structure, 1950–2100**

Source: adapted from 'The world in 2100' videographic, *The Economist*, 13 May 2011, <www.economist.com>; The Economist Newspaper Ltd, London, 2011