



GCE A LEVEL

1110U30-1

THURSDAY, 22 MAY 2025 – AFTERNOON

GEOGRAPHY – A2 UNIT 3

Global Systems and Global Governance

2 hours plus your additional time allowance

ADDITIONAL MATERIALS

A WJEC pink 16-page answer booklet.

A calculator.

INSTRUCTIONS TO CANDIDATES

Use black ink, black ball-point pen or your usual method.

Write your answers in the separate answer booklet provided, following the instructions on the front of the answer booklet.

2

Answer questions 1 AND 2 and EITHER 3 OR 4 in Section A.

Answer questions 5 AND 6 and EITHER 7 OR 8 in Section B.

Answer ONE question in Section C.

INFORMATION FOR CANDIDATES

The number of marks is given in brackets [] at the end of each question or part-question; you are advised to divide your time accordingly.

THIS PAPER REQUIRES THAT YOU MAKE AS FULL USE AS POSSIBLE OF APPROPRIATE EXAMPLES AND REFERENCE TO DATA TO SUPPORT YOUR ANSWERS. SKETCH MAPS AND DIAGRAMS SHOULD BE INCLUDED WHERE RELEVANT

(Turn over)

SECTION A: GLOBAL SYSTEMS

Answer questions 1 AND 2 and Either 3 OR 4.

Make the fullest possible use of examples in support of your answers.

1 (a) Identify the characteristics of TWO different flows within a drainage basin system. [4 marks]

(b) Suggest how the shape of storm hydrographs is influenced by high intensity precipitation. [5 marks]

2 (a)(i) Use FIGURES 1a AND 1b opposite to calculate the difference between below-ground carbon stores.

[1 mark]

(Turn over)

- 2 (a)(ii) Use FIGURES 1a AND 1b to calculate the percentage change in above-ground carbon stores. Show your working and give your answer to ONE decimal place. [2 marks]**
- (b) Outline the process of methane feedback in the carbon cycle. [5 marks]**

(Turn over)

EITHER

3 Assess how seasonal changes impact the size of drainage basin stores.

[18 marks]

OR

4 Assess the success of ONE OR MORE management strategies to restore the carbon store in peatlands. [18 marks]

(Turn over)

**SECTION B: GLOBAL GOVERNANCE:
CHANGE AND CHALLENGES**

**Answer questions 5 AND 6, and EITHER
7 OR 8.**

**Make the fullest possible use of examples
in support of your answers.**

**5 (a) Suggest how movements of refugees
may have consequences for the lives
of people in neighbouring states such
as those shown in FIGURE 2 opposite.**

[5 marks]

**(b) Outline how political strategies lead
to the creation of global hubs for
investment and migration. [4 marks]**

(Turn over)

6 (a) Use FIGURE 3 opposite to analyse the significance of the Strait of Malacca as an oil transit chokepoint.

[3 marks]

(b) Outline ONE international strategy to manage flows of people trafficking.

[5 marks]

EITHER

7 Examine the consequences of rural-urban migration in developing countries.

[18 marks]

OR

8 Examine the consequences of over-exploitation of marine environments.

[18 marks]

(Turn over)

SECTION C: 21st CENTURY CHALLENGES

Answer EITHER question 9 OR question 10.

In your answer to either question 9 OR 10, you should use the resources in FIGURES 4, 5, 6a and 6b and apply your knowledge and understanding from across the whole specification.

EITHER

9 To what extent are physical processes responsible for the most significant challenges faced by urban places?

[26 marks]

OR

10 Discuss the view that physical processes increase inequality in urban places.

[26 marks]

FIGURE 1: CARBON STORAGE IN TROPICAL RAINFORESTS BEFORE AND AFTER DEFORESTATION (TONNES OF CARBON PER HECTARE)

FIGURE 1a: BEFORE DEFORESTATION

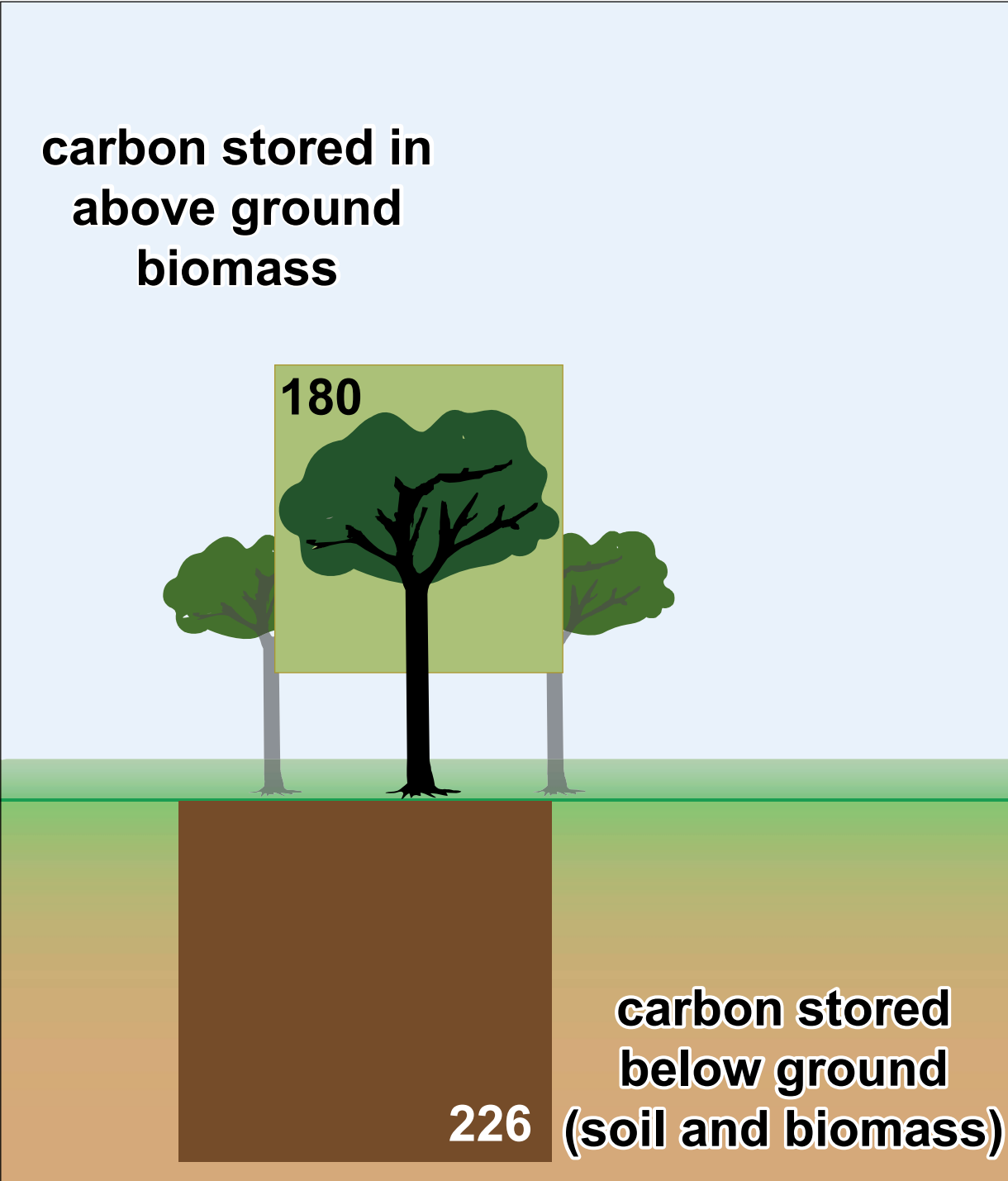


FIGURE 1b: 10 YEARS AFTER DEFORESTATION

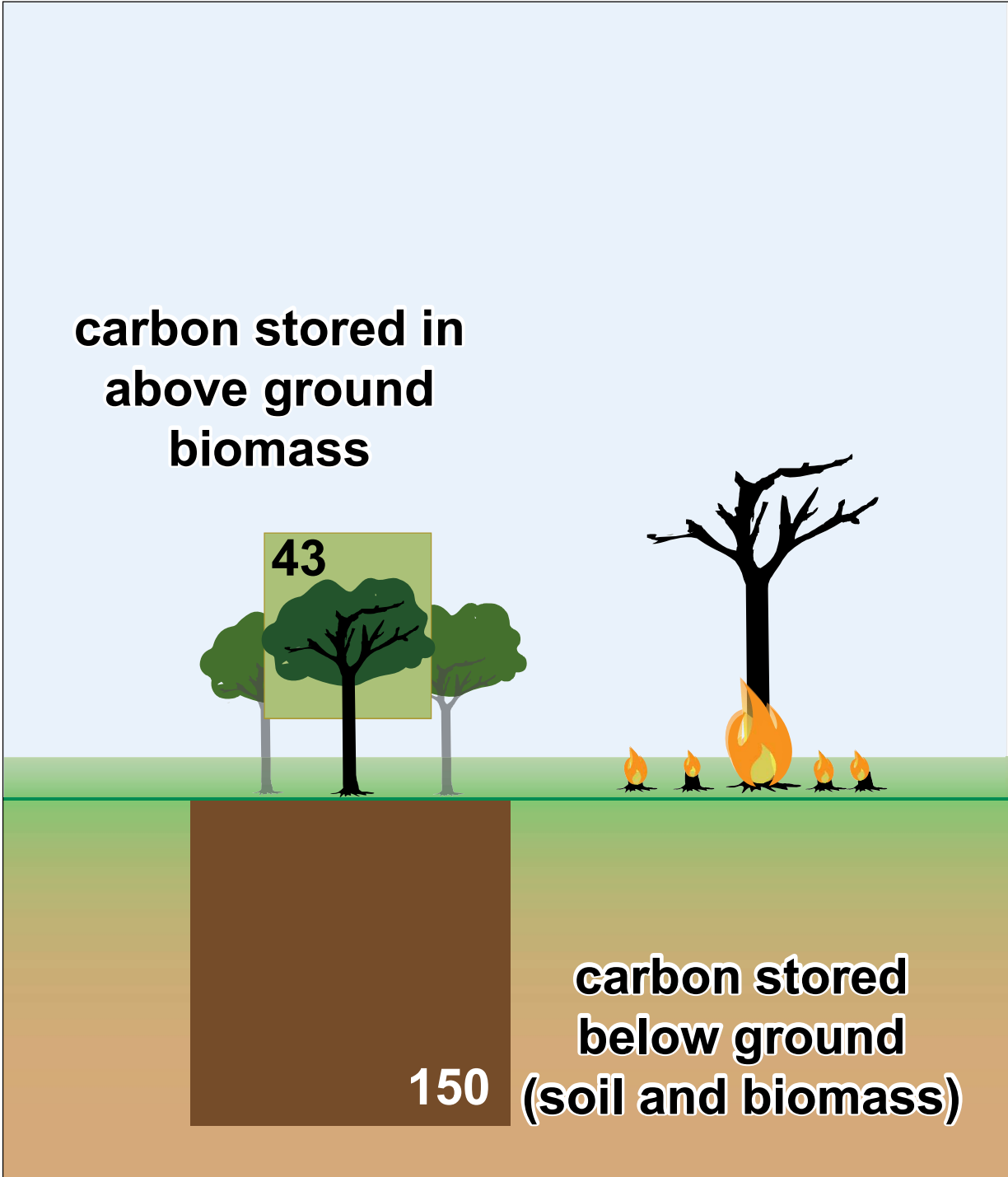
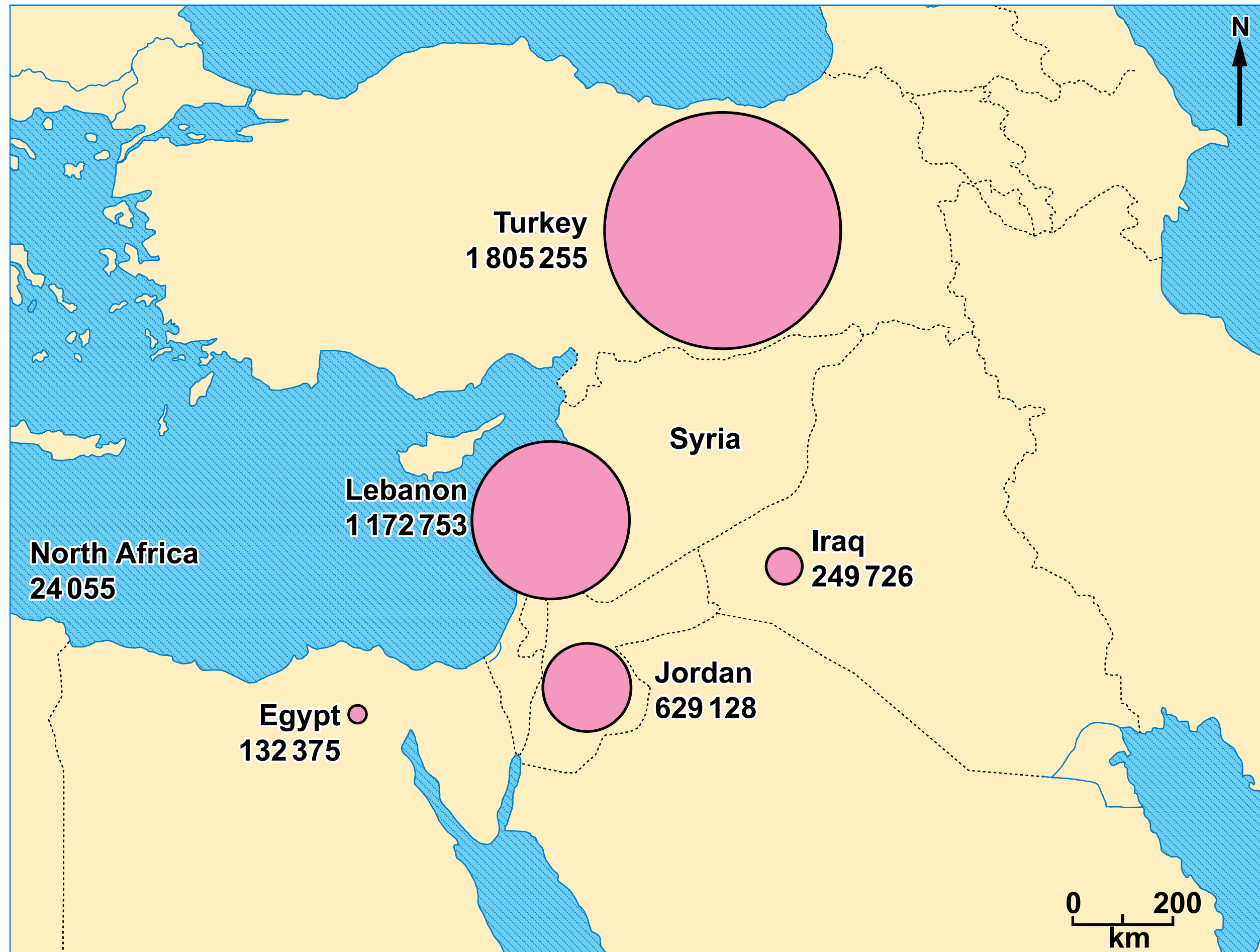
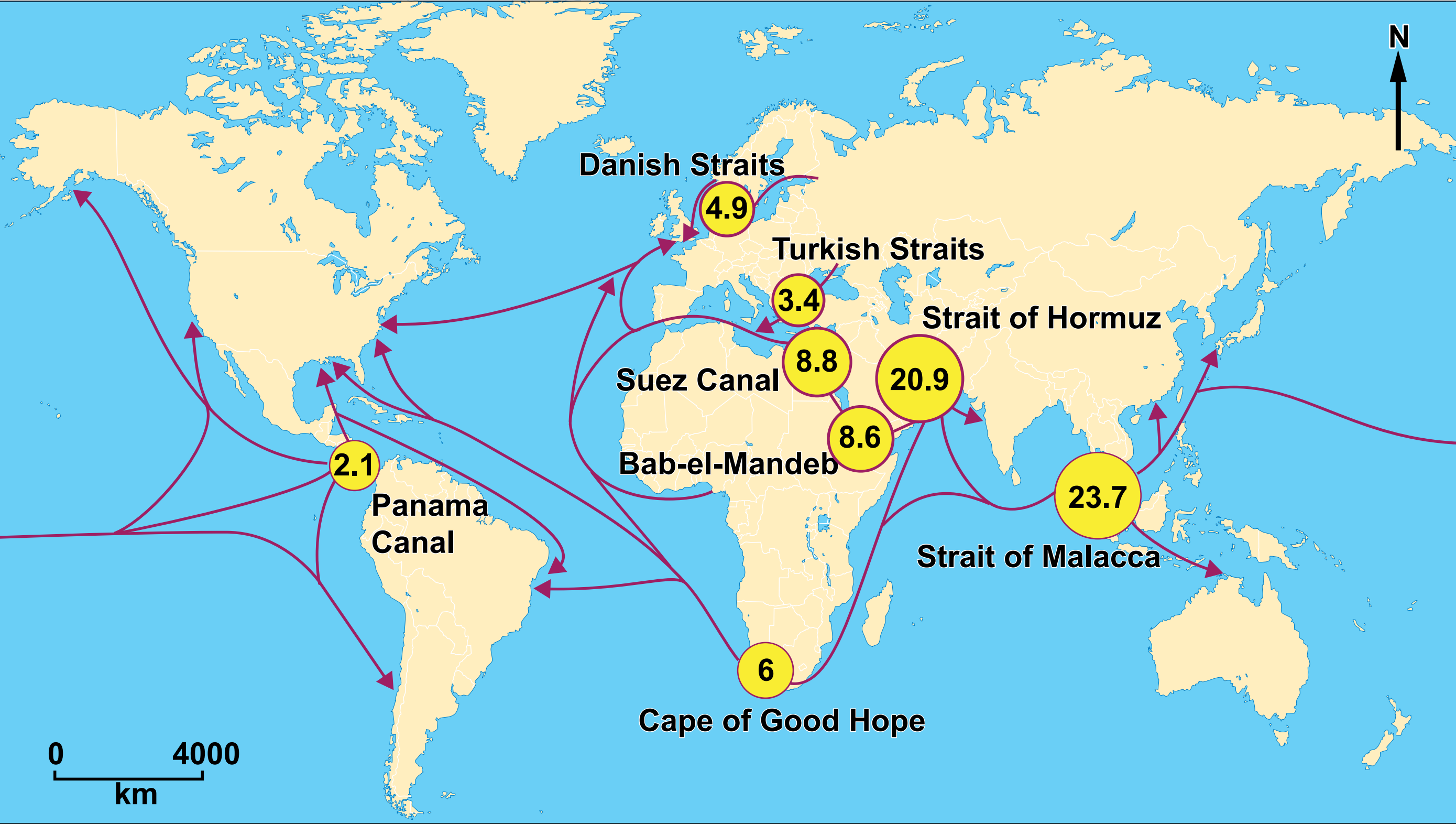


FIGURE 2: COUNTRIES WITH LARGE CONCENTRATIONS OF SYRIAN REFUGEES, JULY 2015



Source: <https://www.researchgate.net>

FIGURE 3: DAILY VOLUME OF OIL TRANSPORTED THROUGH WORLD CHOKEPOINTS, 2023



Key:  Chokepoints (million barrels per day moved)

Source: https://www.eia.gov/international/analysis/special-topics/World_Oil_Transit_Chokepoints

FIGURE 4: PEOPLE DISPLACED BY THE HAITI EARTHQUAKE WALK PAST A COLLAPSED CHURCH IN PORT-AU-PRINCE, 2010



FIGURE 5: ONE OF THE MAIN TRAIN LINES INTO CENTRAL MUMBAI PASSES THROUGH THE INFORMAL SETTLEMENT OF DHARAVI, INDIA



FIGURE 6a: CARDIFF BAY BEFORE REGENERATION, 1992



Source: https://en.m.wikipedia.org/wiki/File:Cardiff_Bay_before_the_Cardiff_Bay_Barrage.jpg

FIGURE 6b: CARDIFF BAY AFTER REGENERATION, 2016



END OF PAPER