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Centre number

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Candidate number

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Surname

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Forename(s)

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Candidate signature

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I declare this is my own work.

# INTERNATIONAL A-LEVEL GEOGRAPHY

## Paper 3 Physical Geography 2

Wednesday 3 June 2026 08:00 UK Time Time allowed: 1 hour 30 minutes

### Materials

For this paper you must have:

- a ruler with millimetre measurements
- a calculator, which you are expected to use where appropriate.

### Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do **not** write outside the box around each page or on blank pages.
- All working must be shown.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this answer book. Cross through any work you do not want to be marked.

### Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 80.
- You may use a bilingual dictionary for this exam.
- You may **not** use an English dictionary.

| For Examiner's Use |      |
|--------------------|------|
| Question           | Mark |
| 1                  |      |
| 2                  |      |
| 3                  |      |
| 4                  |      |
| 5                  |      |
| 6                  |      |
| 7                  |      |
| 8                  |      |
| <b>TOTAL</b>       |      |



**Section A – Water, Carbon and Life on Earth**Answer **all** questions in the spaces provided.You must answer **all** questions in **Section A**.Only **one** answer per question is allowed.

For each question completely fill in the circle alongside the appropriate answer.

CORRECT METHOD



WRONG METHODS



If you want to change your answer you must cross out your original answer as shown.



If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown.

**0 1 . 1**

What does a flood hydrograph show after a rainfall event?

**[1 mark]****A** How the depth of a flood changes over time.☐**B** How the discharge of water in a river changes over time.☐**C** How the speed of flood water changes over time.☐**D** How the width of a river changes over time.☐**0 1 . 2**

Which of the following is the largest store of carbon?

**[1 mark]****A** Atmosphere☐**B** Biosphere☐**C** Hydrosphere☐**D** Lithosphere☐

0 1 . 3

Which of the following best describes evapotranspiration in a drainage basin?

[1 mark]

- A** It is an input **and** a store. ☐
- B** It is an input **and** a transfer. ☐
- C** It is an output **and** a store. ☐
- D** It is an output **and** a transfer. ☐

0 1 . 4

How does hydrocarbon burning change the size of stores in the carbon cycle?

[1 mark]

- A** The atmosphere store becomes larger **and** the hydrosphere store becomes smaller. ☐
- B** The atmosphere store becomes larger **and** the lithosphere store becomes smaller. ☐
- C** The lithosphere store becomes larger **and** the atmosphere store becomes smaller. ☐
- D** The lithosphere store becomes larger **and** the biosphere store becomes smaller. ☐

0 1 . 5

Which of the following is a definition of 'water abstraction'?

[1 mark]

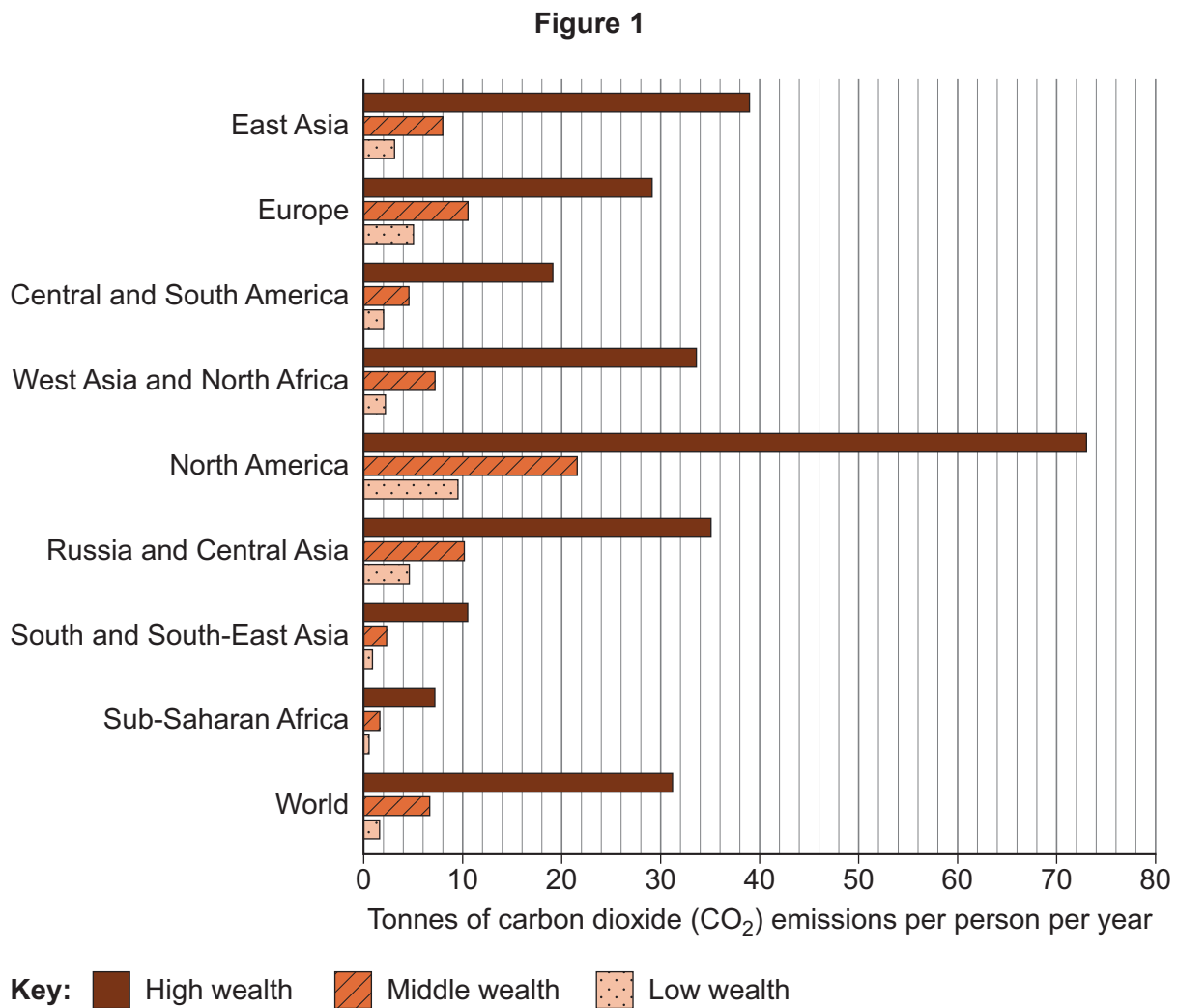
- A** Cleaning fresh water to remove dirt and bacteria. ☐
- B** Taking water from natural sources. ☐
- C** Tiny drops of water in clouds linking together to form rain. ☐
- D** Water naturally moving from the soil into rock. ☐

5

Turn over ►



**Figure 1** shows the tonnes of carbon dioxide (CO<sub>2</sub>) emissions per person by region in 2019. Each region is split into high wealth, middle wealth and low wealth categories.



0 2

Analyse the data shown in **Figure 1**.

[6 marks]

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**Turn over for the next question**

**Turn over ►**



Examine the role of positive **and** negative feedback in the carbon cycle.

[illegible]

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**[20 marks]**

[illegible]

[illegible]

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**END OF SECTION A**



**Turn over for Section B**

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## Section B – Ecosystems Under Stress

Answer **all** questions in the spaces provided.

You must answer **all** questions in **Section B**.

Only **one** answer per question is allowed.

For each question completely fill in the circle alongside the appropriate answer.

CORRECT METHOD



WRONG METHODS



If you want to change your answer you must cross out your original answer as shown.



If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown.



0 5 . 1

'A community of species that will **not** develop into a natural climax community because of human activity.'

What is this a definition of?

[1 mark]

A Climatic climax

☐

B Plagioclimax

☐

C Succession

☐

D Trophic level

☐

0 5 . 2

Which of the following is a definition of 'soil moisture budget'?

[1 mark]

A The ability of the physical make-up of the soil to store and transfer water.

☐

B The relationship between water inputs and outputs of a soil store over a year.

☐

C The total amount of water present in the soil at any given time.

☐

D The volume of water that passes through the soil store in a year.

☐


**0 5 . 3**

Where are most tropical rainforests located?

**[1 mark]****A** Between 23° latitude north and south of the equator.☐**B** In areas with monthly average temperatures of 35 °C or more.☐**C** In the continents of Africa, Asia and Europe.☐**D** On land over 500 m above sea level.☐**0 5 . 4**

Which of the following is an example of a planned introduction of a new species to an ecosystem at a local scale?

**[1 mark]****A** A farmer replaces fences with bushes to help lower wind speed on the farm.☐**B** A pet snake escapes from its owner and makes a new home in a local forest.☐**C** All hardwood trees in a forest are cut down, and the wood is removed and sold.☐**D** Seeds get stuck to a car tyre and are carried to another city, where they fall off.☐**0 5 . 5**

Which of the following is a definition of 'agricultural intensification'?

**[1 mark]****A** Using better methods to grow more food on the same amount of land.☐**B** Using more land for farmers to grow more food.☐**C** Using no extra chemicals to grow food, so as to protect nature.☐**D** Using the same amount of land to grow a range of different foods.☐**5****Turn over ►**

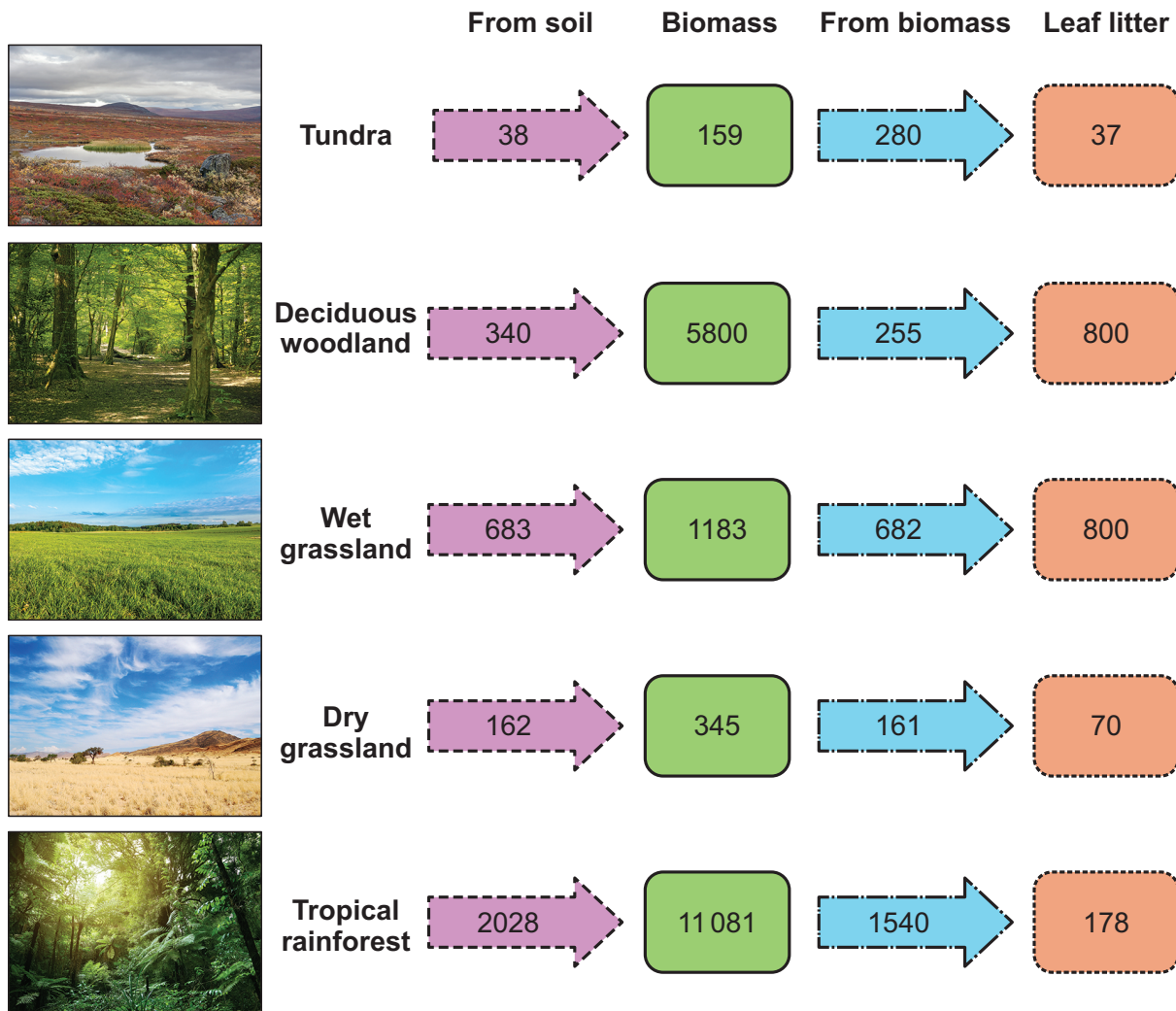
**Figure 2** shows information about mineral nutrient cycling in six biomes.

It shows how many nutrients are being:

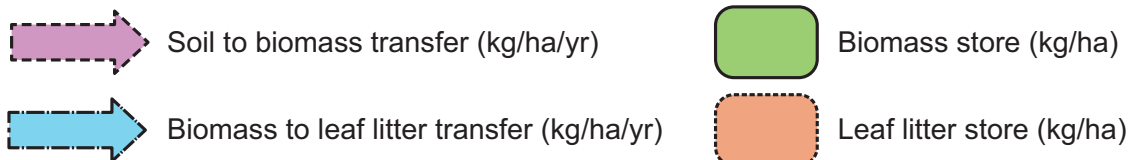
- stored in the biomass and leaf litter
- transferred into the biomass store and between the two stores.

The leaf litter is a layer of dead plant and animal material that collects on the ground.

**Figure 2**



**Key**



**[6 marks]**

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**[9 marks]**

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**[20 marks]**

To what extent is climate change a significant threat to the health and survival of coral reefs?

[20 marks]

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**END OF QUESTIONS**



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