

## River environments - 2

Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

Time:

Total Marks Available:

Total Marks Archived:

Level: IGCSE Mathematics A

Subject: Geography

Exam Board: Edexcel IGCSE Geography- it is however suitable for use by mathematics student of other boards

Topic: River environments -2

Type: Topic Questions

To be used by all students preparing for Edexcel IGCSE Geography- Students of other Boards may also find this useful

# Questions

Q1.

## River environments

(i) State **one** physical factor that influences rates of erosion in a river.

(1)

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(ii) Explain how the process of hydraulic action erodes the river channel.

(2)

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**(Total for question = 3 marks)**

Q2.

## River environments

Explain how a river channel is eroded by solution (corrosion).

(2)

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(Total for question = 2 marks)

Q3.

**River environments**

Explain how erosion can form waterfalls.

(4)

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(Total for question = 4 marks)

Q4.

**River Environments**

Explain **one** way that water shortages can be managed.

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(3)

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(Total for question = 3 marks)



Q5.

**River Environments.**

Explain **one** way vegetation can affect river discharge.

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(3)

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(Total for question = 3 marks)



Q6.

**River environments**

Explain the formation of a flood plain.

(4)

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(Total for question = 4 marks)

Q7.

**River environments**

Explain the formation of a levee.

(4)

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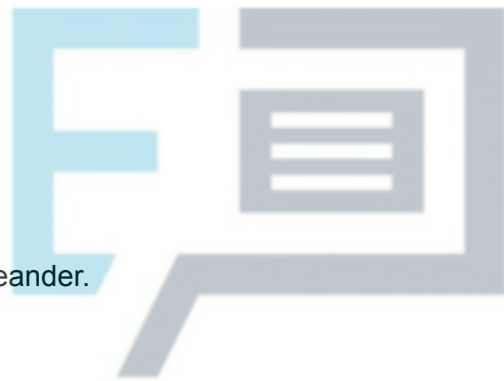
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**(Total for question = 4 marks)**

Q8.

**River Environments.**

Explain the formation of a river meander.



(4)

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**(Total for question = 4 marks)**

Q9.

**River environments**

Explain the formation of a waterfall.

(4)

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(Total for question = 4 marks)

Q10.

**River Environments**

Study Figure 1a in the Resource Booklet.

Explain **two** processes that transport material in a river.

(4)

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(Total for question = 4 marks)



Q11.

Explain **two** reasons for increasing demands for water.

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(4)

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(Total for question = 4 marks)

Q12.

**River Environments**

Answer the question with a cross in the box you think is correct (  ). If you change your mind about an answer, put a line through the box (  ) and then mark your new answer with a cross (  ).

(i) Identify the statement that best describes the process of deposition.

(1)

- A the dropping of material transported by the river
- B the removal of material from the river bed
- C the removal of material from the river banks
- D material falling into the channel from the river banks

(ii) State **one** type of mass movement that occurs in a river valley.

(1)

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(iii) Explain **one** process of river erosion.

Named process .....

(2)

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(Total for question = 4 marks)

Q13.

Answer the question with a cross in the box you think is correct . If you change your mind about an answer, put a line through the box  and then mark your new answer with a cross .

#### River environments

Identify **one** landform usually found in the upper course of a river.

(1)

- A delta
- B estuary
- C oxbow lake
- D interlocking spurs

(Total for question = 1 mark)

Q14.

#### River Environments

Answer the question with a cross in the box you think is correct (  ). If you change your mind about an answer, put a line through the box (  ) and then mark your new answer with a cross (  ).

Identify the landform commonly found in the upper course of a river.

(1)

- A** delta
- B** waterfall
- C** levee
- D** ox-bow lake

(Total for question = 1 mark)

Q15.



Study Figure 1b in the Resource Booklet.

Identify the landform labelled X.

(1)

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(Total for question = 1 mark)

Q16.

River environments

Study Figure 1b below.



(Source: © Terry Smith Images/Alamy Stock Photo)

**Figure 1b**  
**A river landscape in Arkansas, USA**

Identify landform X shown in Figure 1b.

(1)

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**(Total for question = 1 mark)**



Q17.

Answer the question with a cross in the box you think is correct . If you change your mind about an answer, put a line through the box  and then mark your new answer with a cross .

**River environments**

Identify the meaning of the term **river discharge**.

(1)

<input type="checkbox"/>	<b>A</b> the average speed of water in a river at one place at any one time
<input type="checkbox"/>	<b>B</b> the volume of water in a river at one place at any one time
<input type="checkbox"/>	<b>C</b> the average depth of a river at one place
<input type="checkbox"/>	<b>D</b> the average width of a river at one place

(Total for question = 1 mark)

Q18.

**River environments**

Answer the question with a cross in the box you think is correct . If you change your mind about an answer, put a line through the box  and then mark your new answer with a cross .

(i) Identify **one** process of river erosion.

(1)

<input type="checkbox"/>	<b>A</b> Suspension
<input type="checkbox"/>	<b>B</b> Abrasion
<input type="checkbox"/>	<b>C</b> Channelisation
<input type="checkbox"/>	<b>D</b> Traction

(ii) State **one** physical factor affecting the rate of river erosion.



(1)

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(iii) Explain **one** type of physical weathering in river valleys.

(2)

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(Total for question = 4 marks)

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