

# Rivers

End of Unit Assessment

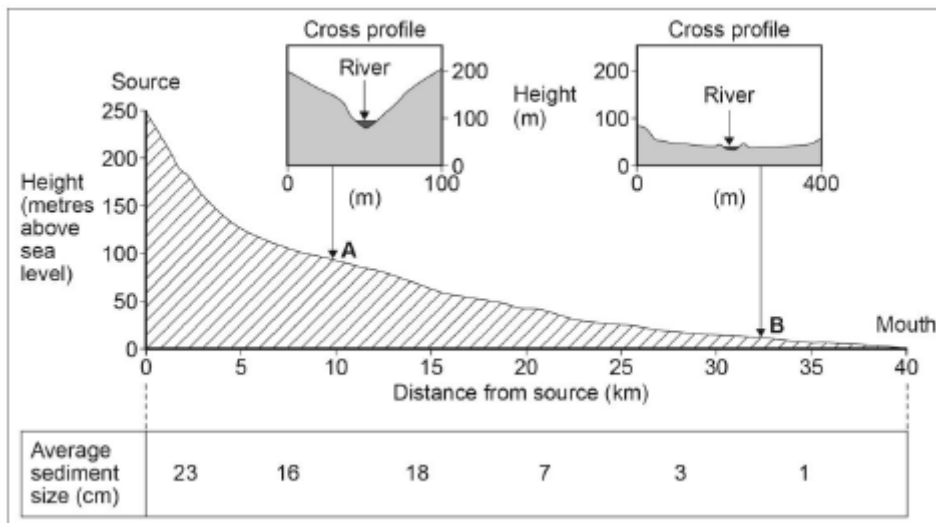
Name: \_\_\_\_\_

<u>Topic</u>	<u>Score</u>
Erosion, transportation and deposition	/10
Landforms resulting from erosion	/10
Landforms resulting from erosion and deposition	/6
Landforms resulting from deposition	/7
Factors that affect flood risk	/7
Hydrographs	/6
Hard and soft engineering	/8
S, P and G	/6

Total	/60
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**Section 1:**

Study **Figure 1** below. It shows a long profile of a river and 2 cross profiles at points **A** and **B**.



**Figure 1**

1) Describe the shape of the river's long profile.

**[3 marks]**

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2) State one reason why the size of sediment carried by the river decreases downstream.

**[1 marks]**

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3) Outline 2 different ways sediment is transported downstream in a river system.

**[4 marks]**

Transportation 1 - .....

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Transportation 2 - .....

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4) Distinguish between the processes of abrasion and attrition.

[2 marks]

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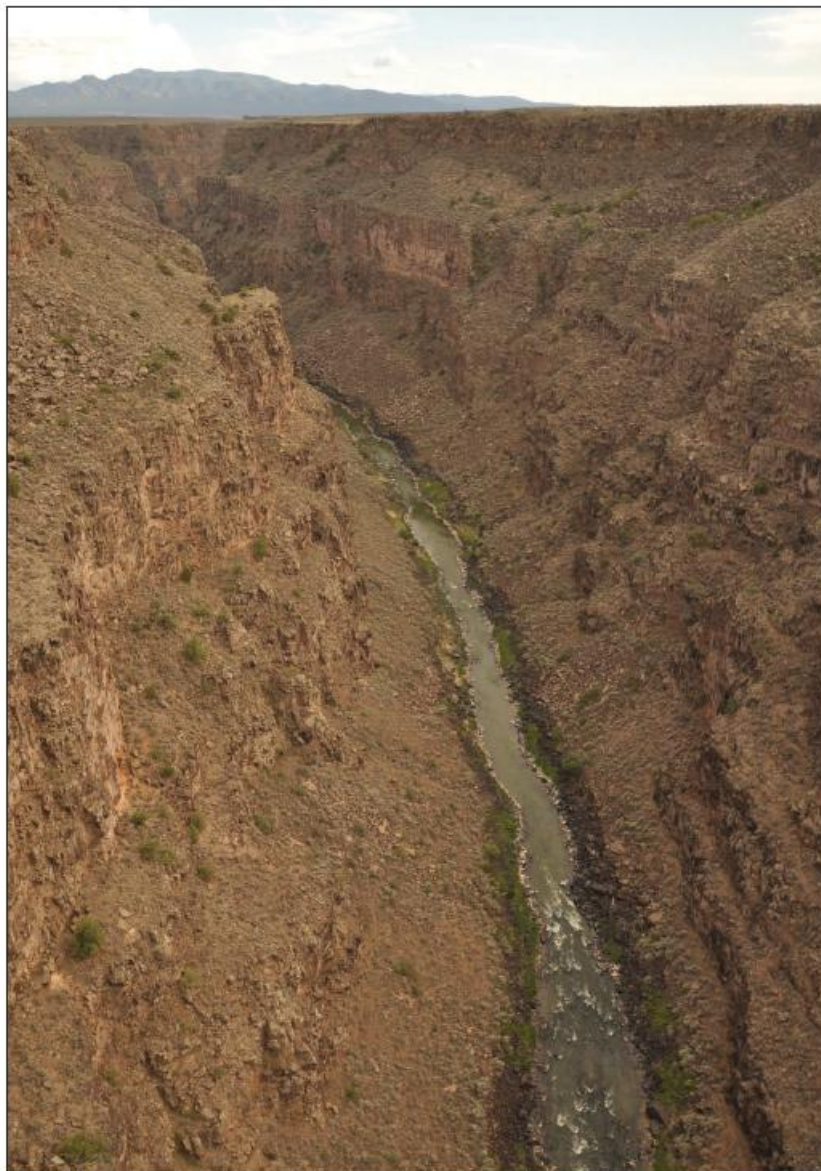
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**Section 2:**

Study **Figure 2** below, a photograph of the Rio Grande River.



**Figure 2**

5) On **Figure 2**, mark with an arrow and label **three** characteristics of the channel and valley.

[3 marks]

6) Explain the formation of a gorge.

[4 marks]

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7) Study the image below (**Figure 3**). It's a photograph of High Force waterfall on the River Tees in the north of England.

Mark with an arrow and label **3 different** characteristics of the waterfall.

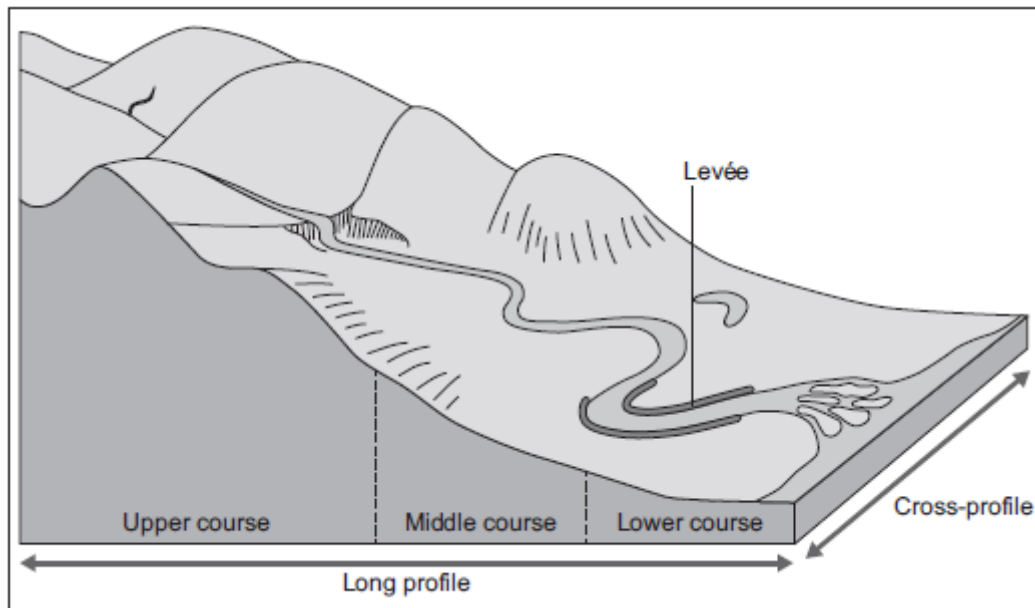
[3 marks]



**Figure 3**

### Section 3:

Study **Figure 4** below. It shows a block diagram showing how river landforms change downstream.



**Figure 4**

8) Mark with an arrow and label **2 different** landforms that have been created by erosion **and** deposition.

[2 marks]

9) Study **Figure 5** below, an aerial photograph of meanders on the River Rede in Northumberland.

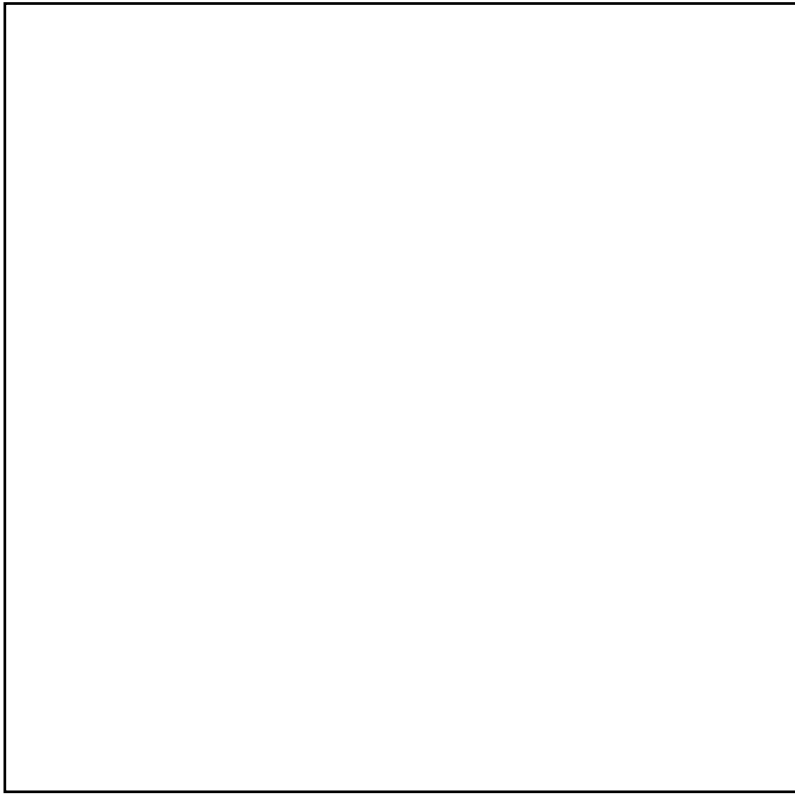
Draw a labelled plan to show the characteristics of these meanders.

[4 marks]



**Figure 5**





**Section 4:**

10) A levée is shown in **Figure 6**. What are levées?

**[3 marks]**



**Figure 6**

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11) Explain the formation of levées.

[4 marks]

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**Section 5:**

12) What is river flooding?

[2 marks]

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13) Study **Figure 7** (next page), a map showing flooding and flood warnings in part of southern England in 2014.

Describe the pattern shown in **Figure 7**.

[3 marks]

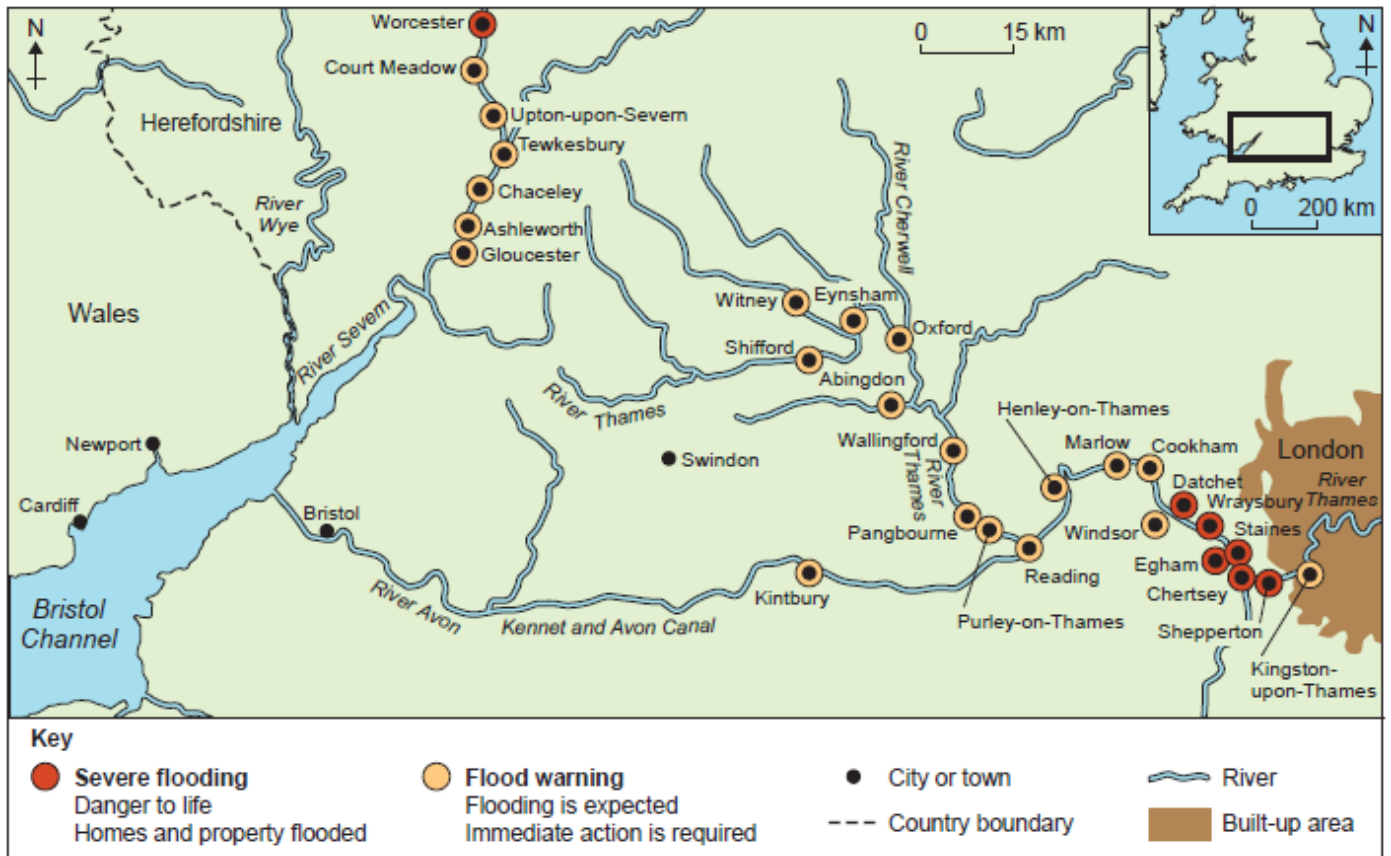
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**Figure 7**

14) Outline one **physical cause** of flooding.

**[2 marks]**

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## Section 7:

17) Study **Figure 9**, a photograph of an information board describing flood management in Boscastle, Cornwall.

With the help of **Figure 9**, explain how hard and soft engineering strategies help to manage the risk of flooding in areas such as Boscastle.

[8 marks]

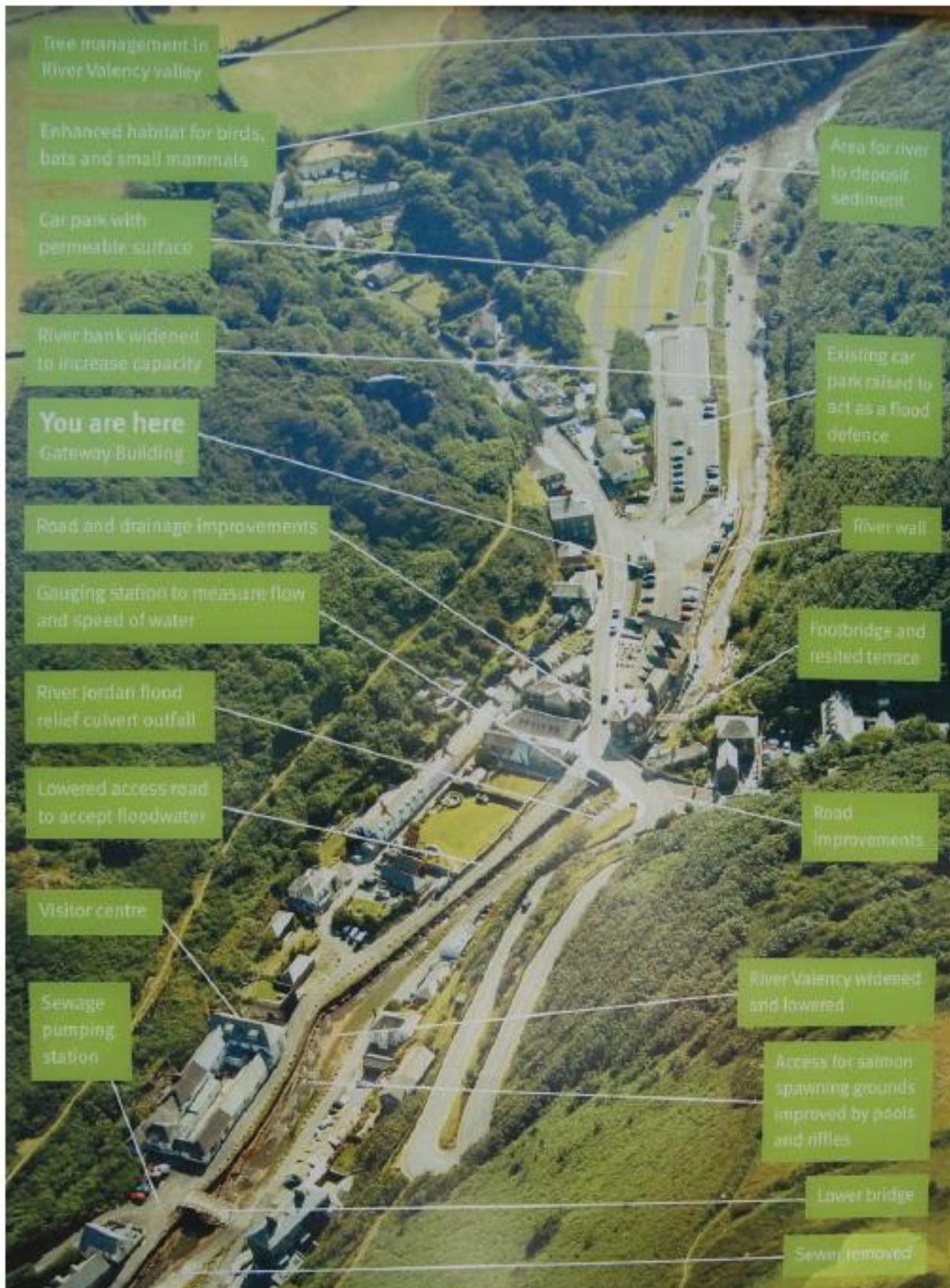


Figure 8

