

# RIVERS

## Foundation 2004

6 River Landscapes and Processes Total for this question: *15 marks*

Study **Figure 9**, which shows the formation of an oxbow lake.

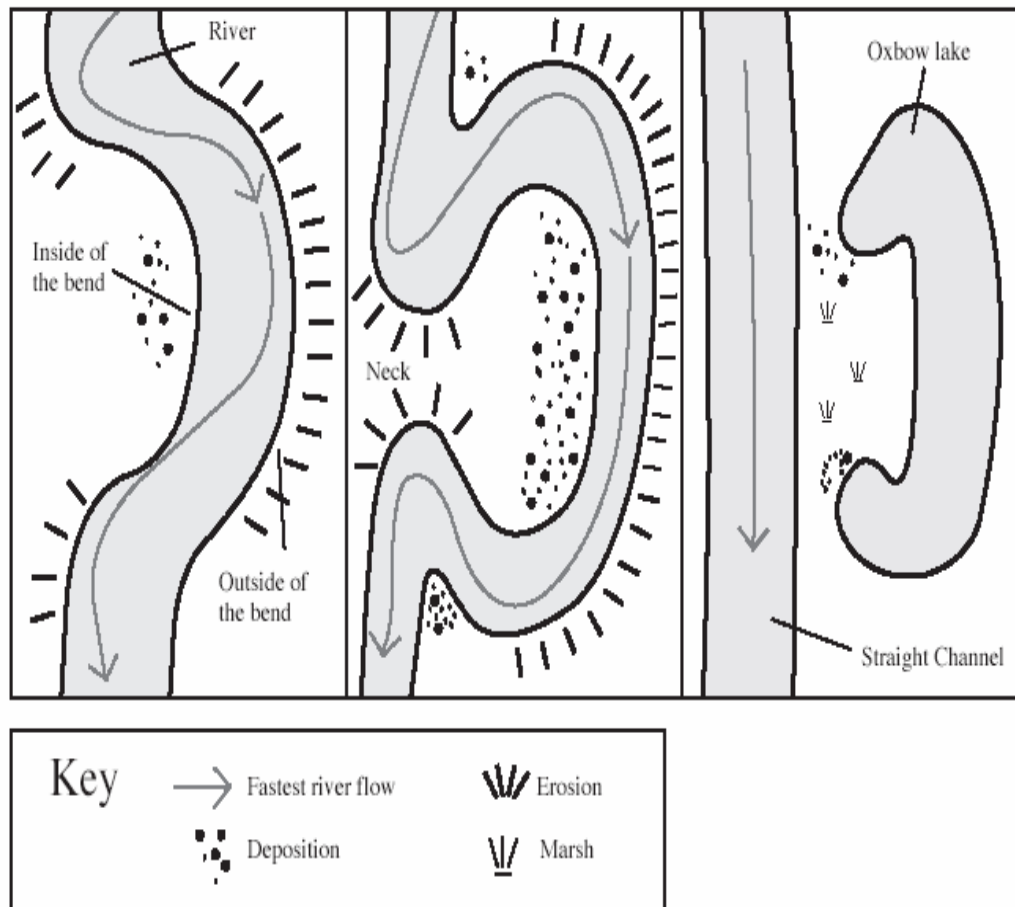


Figure 9

Using the labels on **Figure 9**, complete the sentences below to explain how an oxbow lake is formed.

Erosion on the ..... of the bend of a meander and deposition on the inside make the meander wider and the .....

gets narrower. Often during a flood, the river breaks through, creating a channel and

..... seals off the old meander to form an oxbow lake.

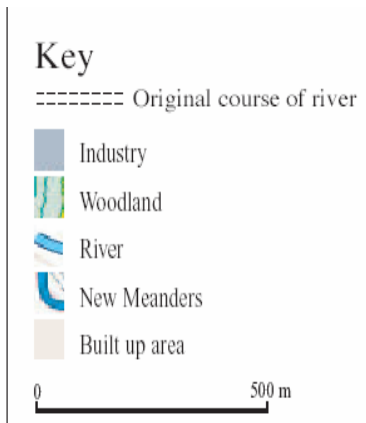
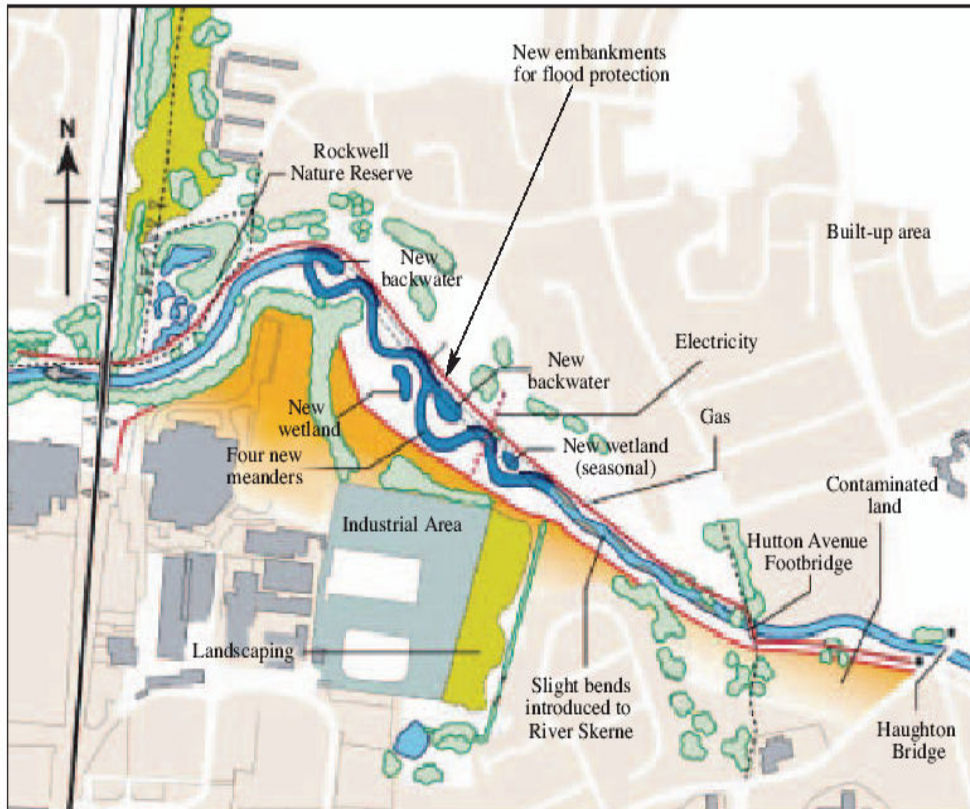
*(4 marks)*

(b) Describe the **causes** of a river flood that you have studied.

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*(4 marks)*

(c) Study **Figure 10**, on the insert, which shows a map of the restoration works on the River Skerne in Darlington.



(i) Using **Figure 10**, give **three** changes that have taken place along this section of the River Skerne.

1 .....

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2 .....

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3 .....

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*(3 marks)*

(ii) Explain the advantages that the restoration scheme may bring to the area.

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*(4 marks)*