

River Homework 5 Answers

1) Identify the feature labelled Y on figure 4? (1)

a) **Levee** levees are natural embankments (raised sections) along the banks of a river)

2) Explain how the landform labelled Y is formed (3)

4.2 During a flood, eroded material is deposited over the whole flood plain [1 mark]. The heaviest material is deposited closest to the river channel, because it gets dropped first when the river slows down [1 mark]. Over time, the deposited material builds up, creating levees along the edges of the channel [1 mark].

3) Explain how the landform labelled Z builds up over time? (2)

4.3 When the river floods onto the flood plain, the water slows down and deposits the eroded material that it's transporting [1 mark], so if the river floods repeatedly, the flood plain builds up [1 mark].

4) Explain the processes involved in the formation of this estuary ? (3)

This question is level marked. How to grade your answer:

Level 0: There is no relevant information. [0 marks]

Level 1: There is a basic explanation of the formation of an estuary. [1-2 marks]

Level 2: There is a clear explanation of the formation of an estuary, which uses some geographical terms. [3-4 marks]

Here are some points your answer may include:

- Estuaries are found at the mouth of a river, where the land is close to sea level.
- The water is tidal, so the river level rises and falls each day.
- When the tide comes in, the water floods over the banks of the river and deposits silt and sand on the valley floor.
- Over time, more and more mud builds up, creating large areas of mudflats.