

Rivers Sample Answers

A* PUPIL.....

6 a) (i) What is a meander? (1)

A meander is a bend in a river. 1

(iii) Explain how the features of a meander are formed. (4)

A meander's features are formed as the faster water is on the outside of the bend and the load that it is carrying erodes the wall on the other side as its load hits it. It also makes it slightly deeper forming a bank. A slip-off slope is formed as the water on the inside is moving too slow to carry its load so it deposits it on the inside of the bend forming a beach like effect. (4)

b) (ii) Describe the flood plain zoning and explain why strategies such as this are sustainable. (6)

The river flows through the middle, when this floods, the grazing land and some of the crops and grazing land will be covered in water which deposits alluvium making the ground fertile for crops. The land near to the water is only grazing as it will flood often. The houses are well away from the water so they do not get flooded. Strategies such as this are sustainable because the land doesn't get used up and is regularly topped up with minerals and water from the river. (5)