

Homework

4.a)

(i) The material which it is carrying. 1 mark.

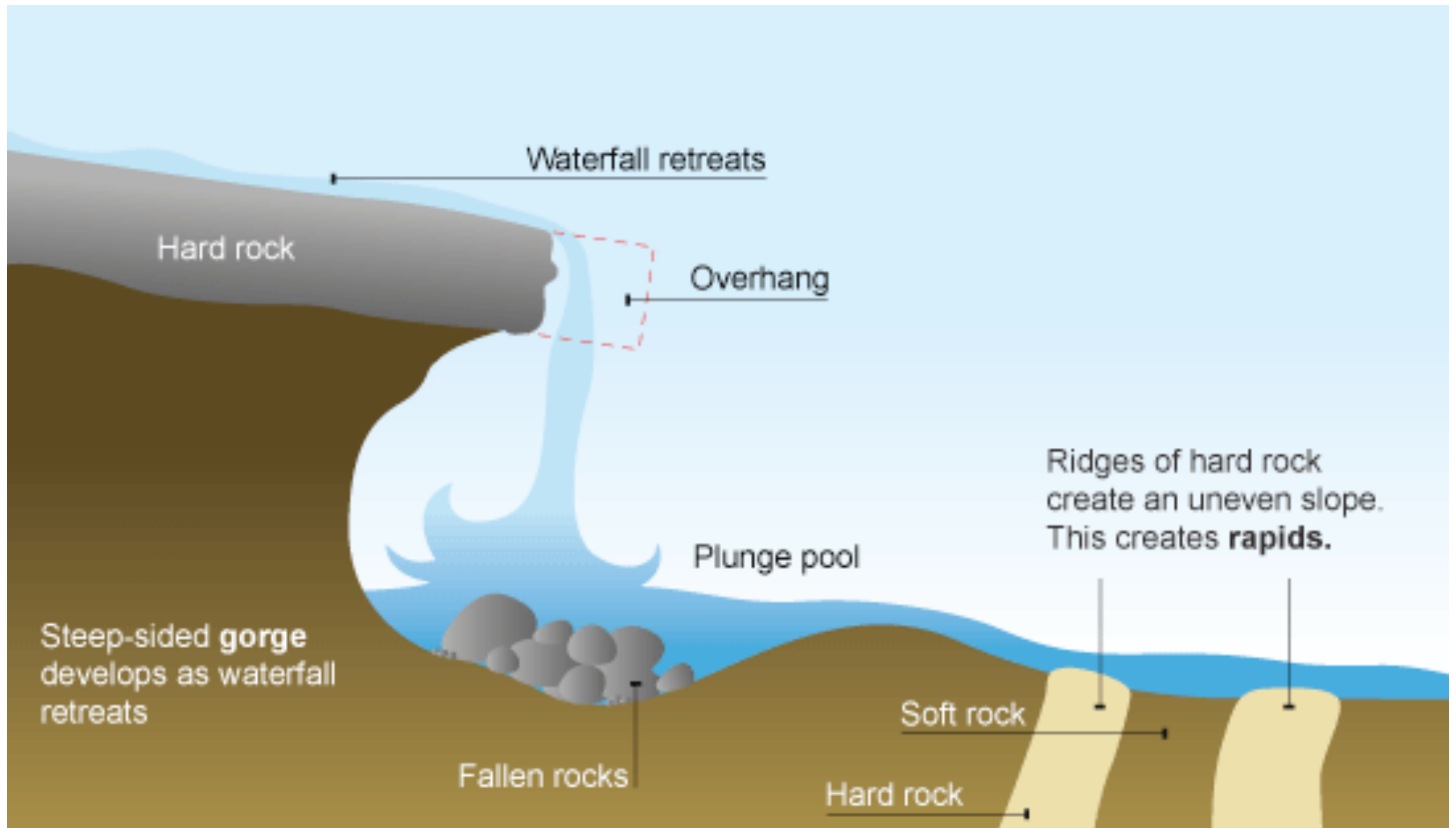
(ii) X=Suspension Y=Saltation. 2 @ 1 mark

(iii) Ideas such as:

- more load will be carried
- heavier material will be moved / large boulders may be moved
- greater amount of traction will occur
- materials usually moved by traction may be moved by saltation
- more material in suspension, etc.

3 @ 1 mark

Waterfalls and Rapids



Niagara Falls

- Niagara Falls are two waterfalls on the Niagara river, one in the USA and one in Canada
- Watch the following video I will be asking two questions after the video
 - How they are formed?
 - What is happening to Niagara Falls?



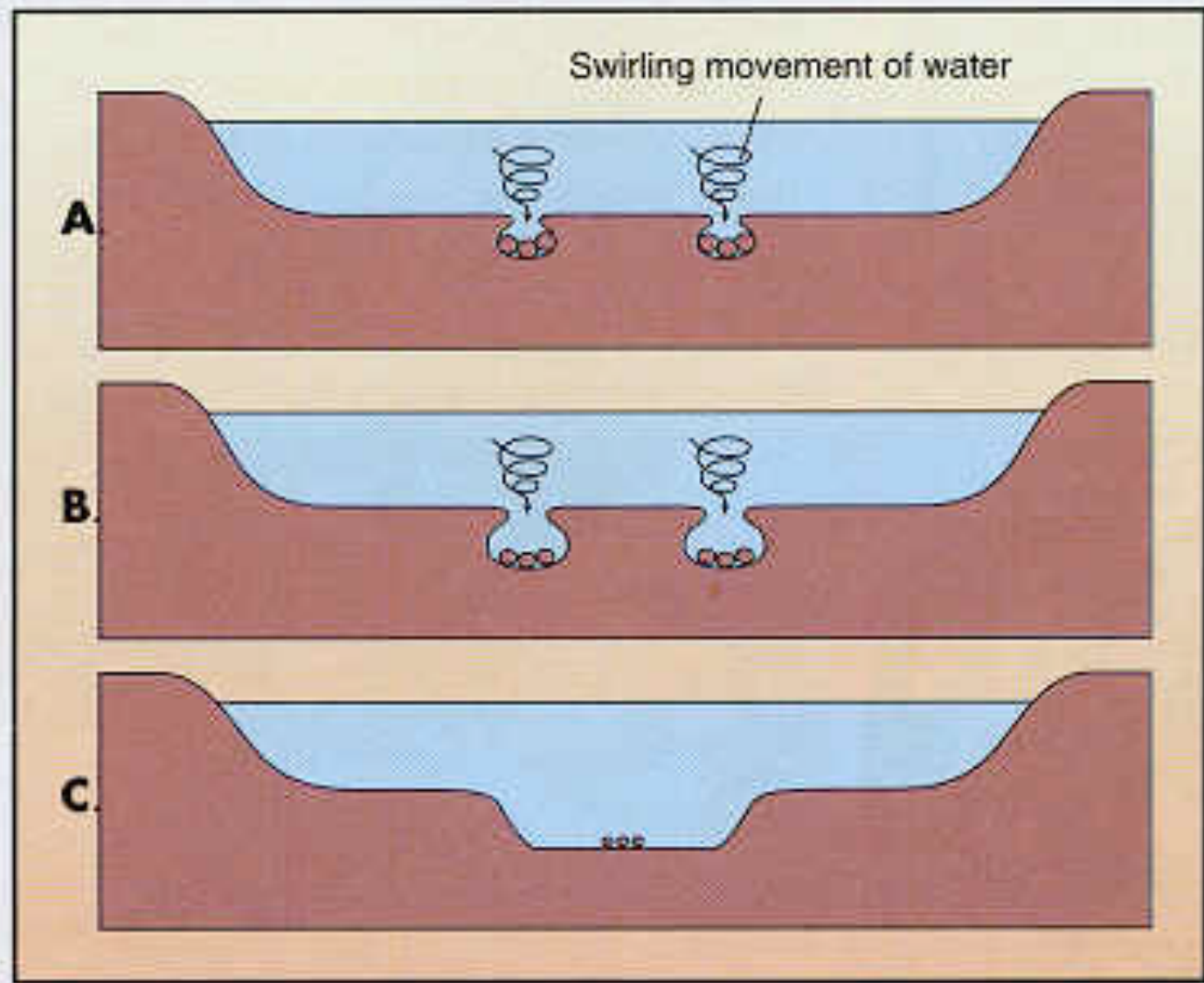
Niagara Falls

- How they are formed?
- What is happening to Niagara Falls?

Potholes



Potholes



- They are formed when fast flowing water swirls
- Pieces of stone carried by the river whirl around, drilling a hole into the river bed
- This process is repeated and repeated until a pothole is created through abrasion

The Middle and Lower Course

What do you know already?

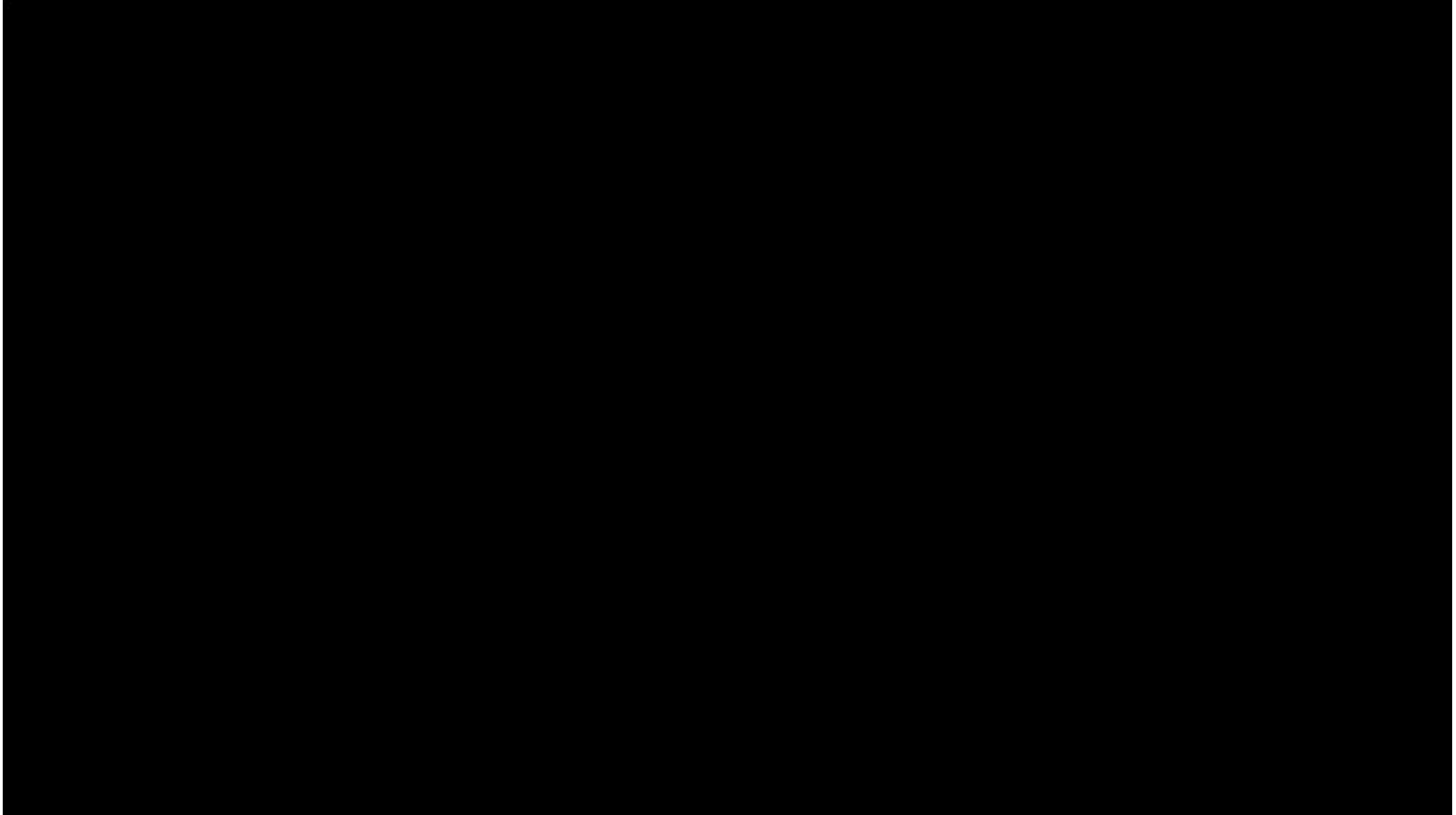
- **Copy and fill in the gaps**
- As the river flows downstream, the _____ over which it flows becomes _____ steep and the river is not as high above its base level. The river continues to erode _____, but _____ or sideways erosion becomes more important. The river begins to erode the river banks to use up the surplus _____.
- **Lateral, less, gradient, energy, vertically**

What is it?



What could be the link

- Watch this video and then think about how we could use this to explain the previous image
- Discuss it with a partner and come up with a theory



How a meander is formed

- Draw a diagram similar to this one
- Then explain how a meander is formed and why the outside bend is deeper
- Use page 284 to help you

What happens next?

- On your desk I want you to work as a table to draw what you think will happen next
- Create a storyboard about what you think will happen to the meander over time
- Remember to think about where will experience **erosion** and **deposition**

Question Time

- You must write down two questions about what you have learnt in today's lesson
- These can be as difficult as you want, but you must know the answer