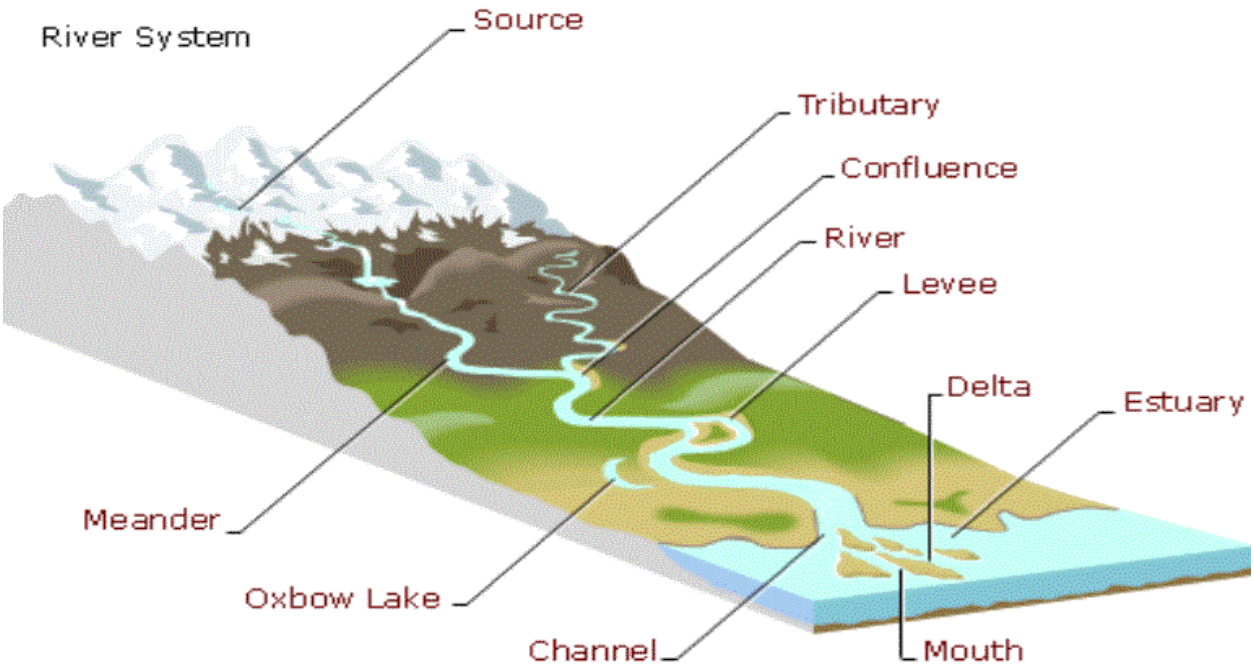
Name

IBDP Geography – River Form & Velocity



Watch the video embedded on ibgeographypods and take basic notes from the sections on velocity, slope and discharge.	
Factor	How it affects the flow / discharge of the river
Gradient	
Discharge	
Channel Shape	

Waugh – Integrated Approach P.68. Define the two types of flow within a river	
Laminar Flow	
Turbulent Flow	

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Waugh – Integrated Approach P.68. Draw a sketch to show the features of both laminar and turbulent flow.	
Laminar Flow	**Turbulent Flow**

Waugh – Integrated Approach P.68. What is the relationship between velocity and turbulence and how does this impact on the transportation of the rivers load?

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The velocity of a river is influenced by three main factors

1. Channel Shape & Cross Section (Waugh – Integrated Approach P.69)
Draw it!
Explain it!

2. Roughness of the channel's bed and banks (Waugh – Integrated Approach P.70)
Draw it!
Explain it!

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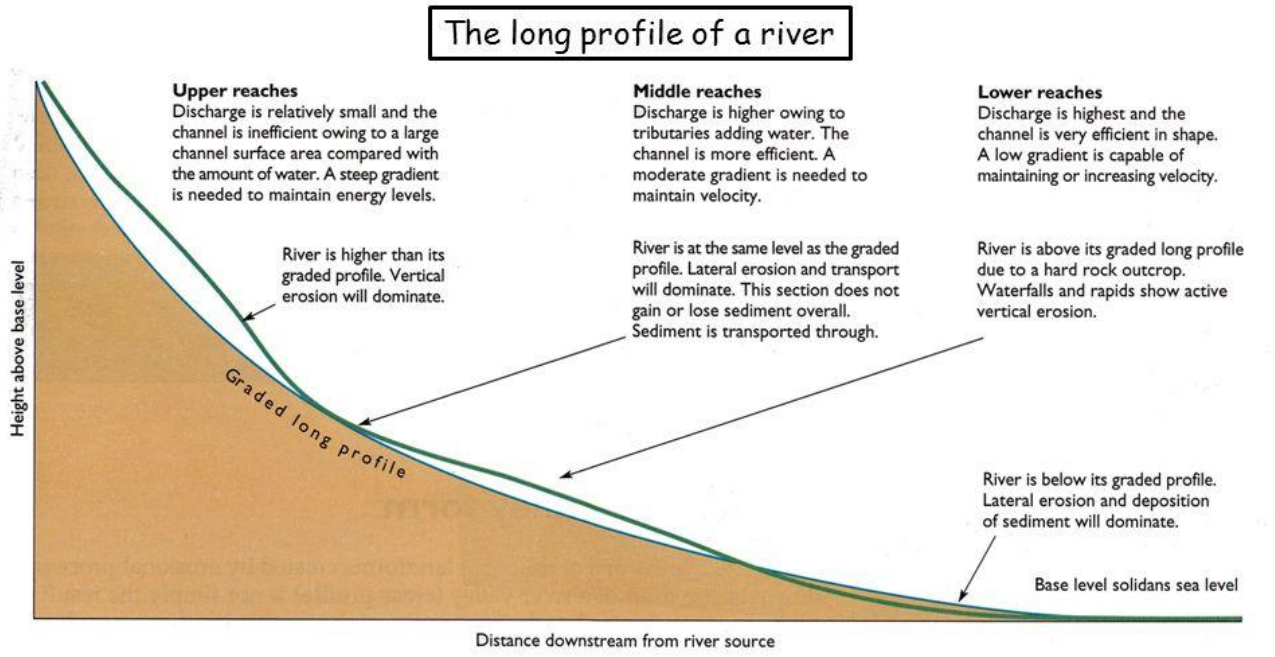
3. Channel Slope (Waugh – Integrated Approach P.70)
Draw it!
Explain it!



The long profile of a river runs from its _____ to the point where it enters the sea, a lake or joins another and larger river. The character of the long profile changes d_____. Overall it has a smooth concave shape. It is steep and in places irregular where the river is flowing well above _____ level in upland country. The irregularities occur where _____ rock outcrops run across the valley. Natural _____ and reservoirs can also disrupt the smoothness of the long profile. However, the profile becomes much gentler and smoother as the river runs through _____ land country and reaches its destination. Changes in the character of river landforms are associated with these changes in the long profile.

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