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| **IGCSE Geography – How Rivers Change From Source to Mouth** |

A screenshot of a cell phone

Description automatically generated



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| Watch the following video - <https://www.youtube.com/watch?v=u_ReEAsFVY0> |

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| What does the long profile of a river mean? |
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| Pause the video when you get to 1:16. Draw (don’t copy & paste) the long profile of a river into the space on the next page. Add labels and axes titles too. |

Drawing here of long profile of a river.

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| Upper course – explain the steep gradient of the land in the upper course. |
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| Middle course – explain the changes in the middle course of the river |
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| Lower course – explain the changes in the lower course. |
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| Starting at 2:23, draw explain how the cross-profile of the river changes as you move from the upper to the lower course of the river |

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| Upper course diagram | Middle course | Lower course |
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| Explanation | Explanation | Explanation |
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| Starting at 4.24, listen carefully to the rest of the video and make notes on how the different features of the Bradshaw model |

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| **Process** | **Definition** | **How it changes as the river travels downstream.** |
| **Discharge** |  |  |
| **Erosion** |  |  |
| **Transportation** |  |  |
| **Deposition** |  |  |
| **Load Size** |  |  |
| **Average Velocity** |  |  |
| **STOP AT 10:00 minutes.**  For the following features of the Bradshaw Model, please refer to this document on geographypods. <https://www.geographypods.com/uploads/7/6/2/2/7622863/bradshaw_model_presentation_for_students.pdf> | | |
| **Occupied Channel Width** |  |  |
| **Channel Depth** |  |  |
| **Load Quantity** |  |  |
| **Channel Bed Roughness** |  |  |
| **Slope Angle (Gradient).** | The angle between different points of the river. |  |