|  |
| --- |
| **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 |  |

|  |  |
| --- | --- |
| 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? |
|  |



|  |
| --- |
| **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! |
|  |

|  |
| --- |
| 1. Roughness of the channel’s bed and banks (Waugh – Integrated Approach P.70) |
| Draw it! |
|  |
| Explain it! |
|  |
| 1. Channel Slope (Waugh – Integrated Approach P.70) |
| Draw it! |
|  |
| Explain it! |
|  |

