

A. Why are rivers important?		
1.	Importance of rivers	Rivers are important sources of food and transport across the world.

B. Structure of drainage basin		
1.	Drainage Basin	An area of land drained by a river and its tributaries
2.	Watershed	The edge of a drainage basin.
3.	Source	The start of a river
4.	Tributary	A smaller river which joins a larger river
5.	Confluence	Where two rivers join

C. How do rivers change?		
1.	Upper course	The upper section of a river and its valley. Includes the source. Usually located on high land where rainfall is plentiful. Dominant process is erosion as the river tries to 'cut down' by vertical erosion.
2.	Middle course	The middle section of the river and its valley. Found on lower land. Processes of both erosion <i>and</i> deposition are active here. Landforms such as meanders and ox-bow lakes are commonly found. Here the river channel and valley are wider and the gradient is more moderate.
3.	Lower course	The final stage in the long profile. Located towards the mouth of the river on low-lying, flat land. Deposition is the dominant process. As the river reaches its end the gradient becomes gentle and the river and its valley much wider.

D. Formation of a waterfall		
1.	Formation of a waterfall	

D. Formation of an ox-bow lake										
1.	Formation of a ox-bow lake	<table border="1"> <tr> <td></td> <td>Step 1</td> <td></td> <td>Step 2</td> </tr> <tr> <td></td> <td>Step 3</td> <td></td> <td>Step 4</td> </tr> </table>		Step 1		Step 2		Step 3		Step 4
	Step 1		Step 2							
	Step 3		Step 4							

E. Causes of flooding		
1.	How physical and human factors affect the flood risk: Precipitation, geology, relief and land use	<p>Physical: Prolong & heavy rainfall Long periods of rain causes soil to become saturated leading to runoff and increased flood risk.</p> <p>Physical: Geology Impermeable rocks cause surface runoff to increase river discharge. Permeable rocks allow water to pass through them and porous rocks absorb/hold water so reduce river discharge.</p> <p>Physical: Relief Steep-sided valleys channel water to flow quickly into rivers thus increasing discharge and flood risk.</p> <p>Human: Land Use Tarmac and concrete are impermeable. This prevents infiltration & causes surface runoff. Deforestation reduces interception and increases soil erosion. This causes surface runoff and increases flood risk.</p>