

River Management – Knowledge Organiser

<u>Key Terms</u>	<u>Spider diagram</u>	<u>Who should pay for flood action plans?</u>										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20%;">Hard engineering</td><td></td></tr> <tr><td>Soft engineering</td><td></td></tr> <tr><td>Flood wall</td><td></td></tr> <tr><td>Land use zoning</td><td></td></tr> <tr><td>Dredging</td><td></td></tr> </table> <p>Boscastle – what happened? _____ _____ _____</p> <p>River Severn – what happened? _____ _____ _____</p>	Hard engineering		Soft engineering		Flood wall		Land use zoning		Dredging		<pre> graph TD A[Problems of flooding] --> B[Economic] A --> C[Social] A --> D[Environmental] </pre>	<p>Those directly affected by flooding?</p> <p>Local residents of areas that flood?</p> <p>The tax payers of the UK?</p>
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<p>Suggest why planners might want to prevent the building of new homes on floodplains:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Explain why flood zoning is used:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Explain how the following features will reduce the risk of floods:</p> <p>Lowering the river bed</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Widening the river channel:</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p style="text-align: center;"><u>Flood management measures</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 35%; text-align: center;">Advantages</th> <th style="width: 35%; text-align: center;">Disadvantages</th> </tr> </thead> <tbody> <tr> <td>Restoring bogs and moorlands in upland areas by blocking drains.</td> <td></td> <td></td> </tr> <tr> <td>Building hard engineering schemes (i.e. flood walls and embankments)</td> <td></td> <td></td> </tr> <tr> <td>Tighter controls on building on floodplains and paving over gardens</td> <td></td> <td></td> </tr> <tr> <td>Allowing rivers to flow naturally and spill over onto the floodplain</td> <td></td> <td></td> </tr> </tbody> </table>		Advantages	Disadvantages	Restoring bogs and moorlands in upland areas by blocking drains.			Building hard engineering schemes (i.e. flood walls and embankments)			Tighter controls on building on floodplains and paving over gardens			Allowing rivers to flow naturally and spill over onto the floodplain		
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