**Natural or Man-Made Rivers**





**Activity: Look at the two river images above and describe the differences**

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**ACTIVITY: Read the following statements and place the correct number in the boxes provided.**

1. Straightened channels speed up the river flow
2. New houses and industry built above the floodplain
3. Beds and bank lined with concrete to prevent erosion
4. Rivers are allowed to meander more slowly causing less erosion
5. Artificial defences are expensive to construct
6. Natural river banks and floodplains allow more space for habitats
7. High flood banks or levees hold back more water. If the river does flood the impacts will be greater
8. River flood more often and deposit silt on the floodplain

**ACTIVITY: Complete the table with ideas that explain why people manage rivers.**

|  |  |  |
| --- | --- | --- |
| **Environmental Reasons****Relates to the physical environment** | **Social Reasons****Relates to the impacts on people and their wellbeing** | **Economic Reasons****Relates to the impact on people, jobs and industry** |
|  |  |  |

**ACTIVITY: Discuss which of these factors are more important and why**

**ACTIVITY: Watch the video and complete the sentences**

[**https://www.youtube.com/watch?v=tj7Y-81tq1w**](https://www.youtube.com/watch?v=tj7Y-81tq1w)

1. **Hard engineering is large scale c\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, often e\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and tries to prevent flooding**
* **Example \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
1. **Soft Engineering is a more n \_\_\_\_\_\_\_\_\_\_\_\_\_\_way to reduce the impact of flooding with less i\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and more environmentally friendly methods**
* **Example \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ACTIVITY: Write down what you think are the differences and advantages of hard and soft engineering**