internet geography

Rivers

Revision Boost

Rivers and River Valleys

Define:

River

Long profile

Cross profile

Label the main characteristics of the long profile of a river.

Draw a cross profile for each stage

Upper course

Middle course

Lower course

Define

Vertical erosion

Lateral erosion

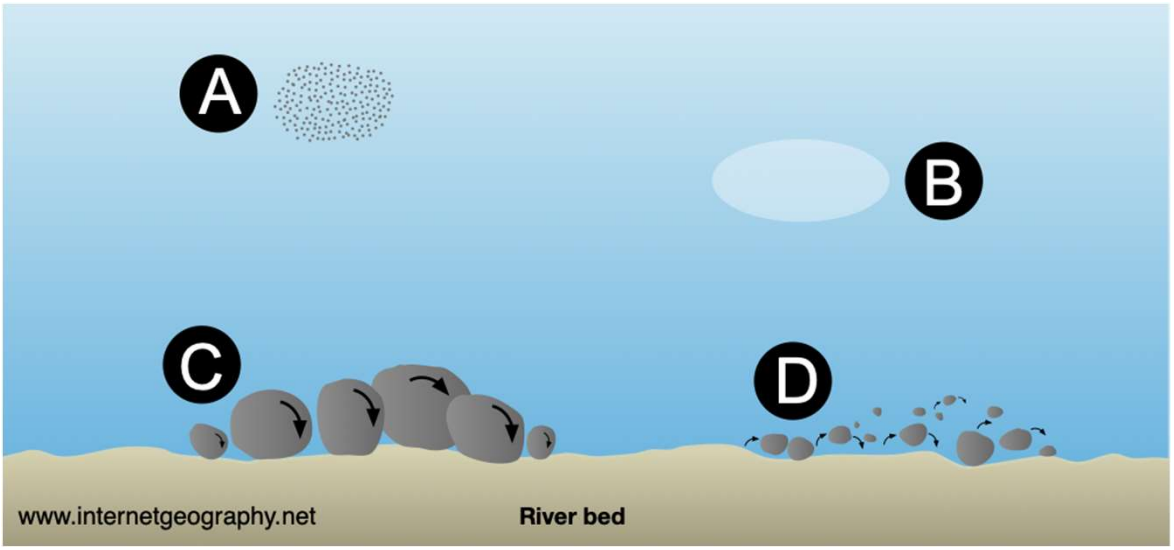
Describe the characteristics of upper, middle and lower course of a river.

Upper course	Middle course	Lower course

River Processes

Define:	Describe four processes of erosion
River erosion River transportation River deposition	

Identify each processes of transportation and describe it.



Define:	Deposition - Fill in the missing words
Velocity	_____ is when material transported by a _____ is dropped. Material deposited by a river is known as _____. The larger the material, the higher the velocity needed to _____ it. Therefore, when velocity decreases, the large _____ are the first to be deposited. Whereas, finer materials, such as _____ particles are the last to be deposited.

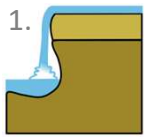
Landforms of Erosion

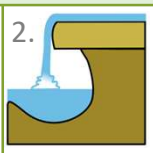
Identify landforms of river erosion

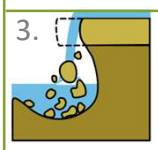
Identify three landforms of river erosion

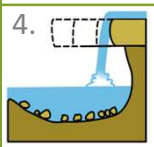
Annotated sketch to show the characteristics of interlocking spurns

Explain the formation of a waterfall

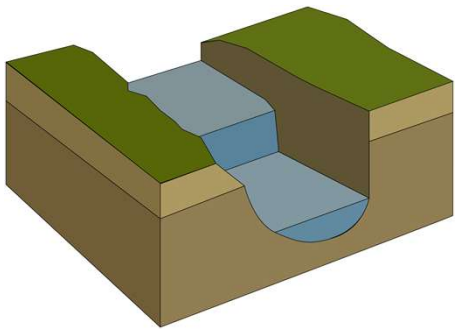






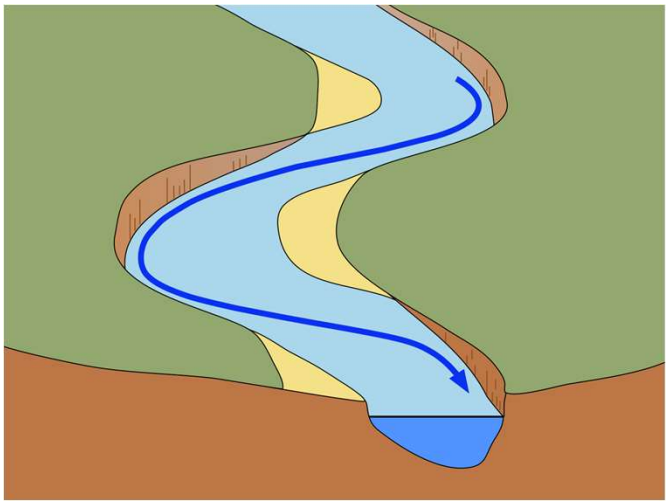


Annotate the diagram to explain the formation of a gorge

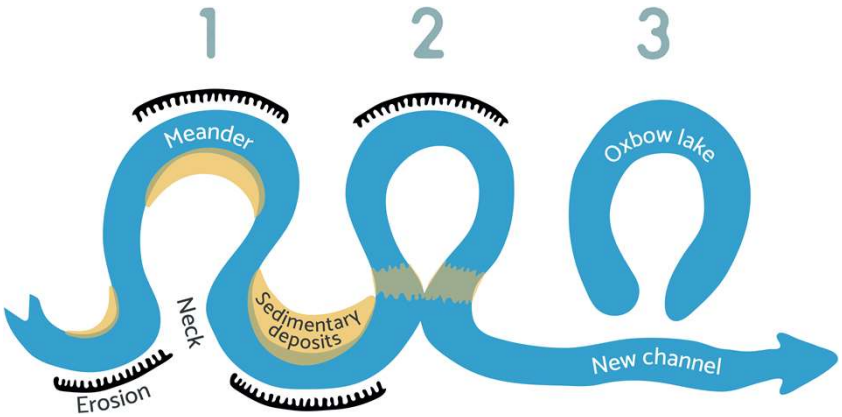


Landforms of Erosion and Deposition

Identify the main characteristics of a meander

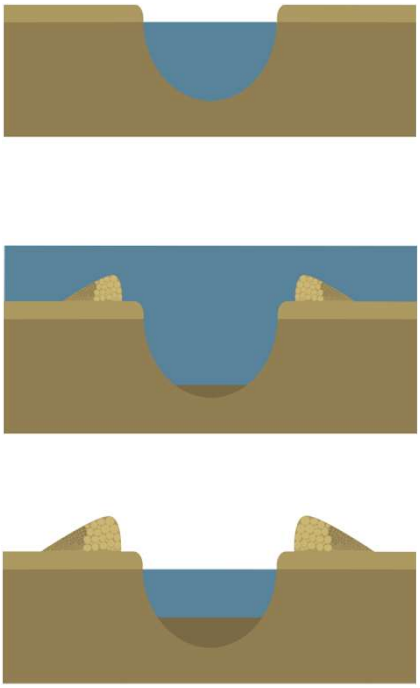


Explain the formation of an oxbow lake



Landforms of Deposition

Using the diagrams explain the formation of a levee.

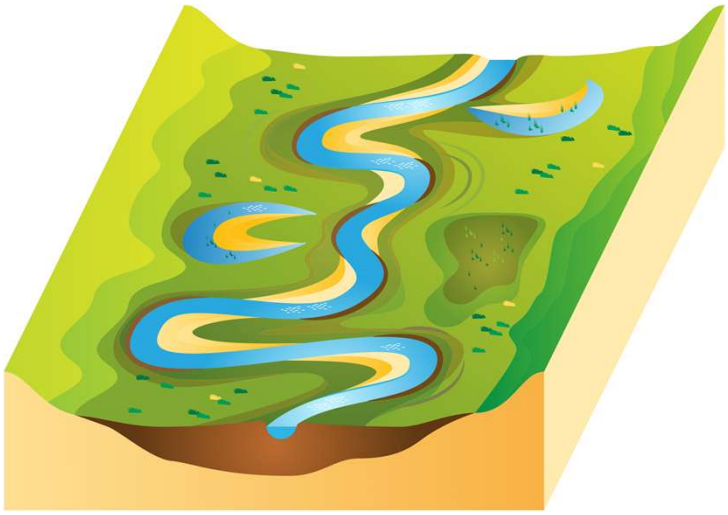


Estuary

An _____ is a wide, sheltered body of water found at a river's _____ where it broadens into the sea. It is a combination of salt _____ from the sea and fresh water from a river. As the river meets the sea at _____ tide, it slows the flow of water leading to _____.

Mudflats and _____ form in these areas. The mudflats can be seen at _____ tide but are covered by water at high tide. Over time, the mud flats can become colonised with _____ forming salt _____.

Identify the characteristics of a floodplain



Factors Affecting Flood Risk

Define:

Precipitation

Urbanisation

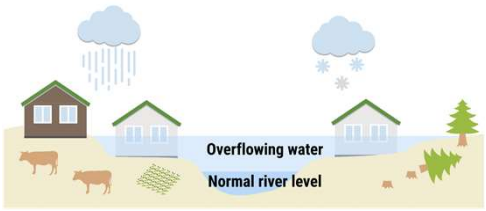
Geology

Agriculture

Relief

Deforestation

Annotate the images below to explain the factors affecting flooding



Hydrographs

Define:

Hydrograph

Peak discharge

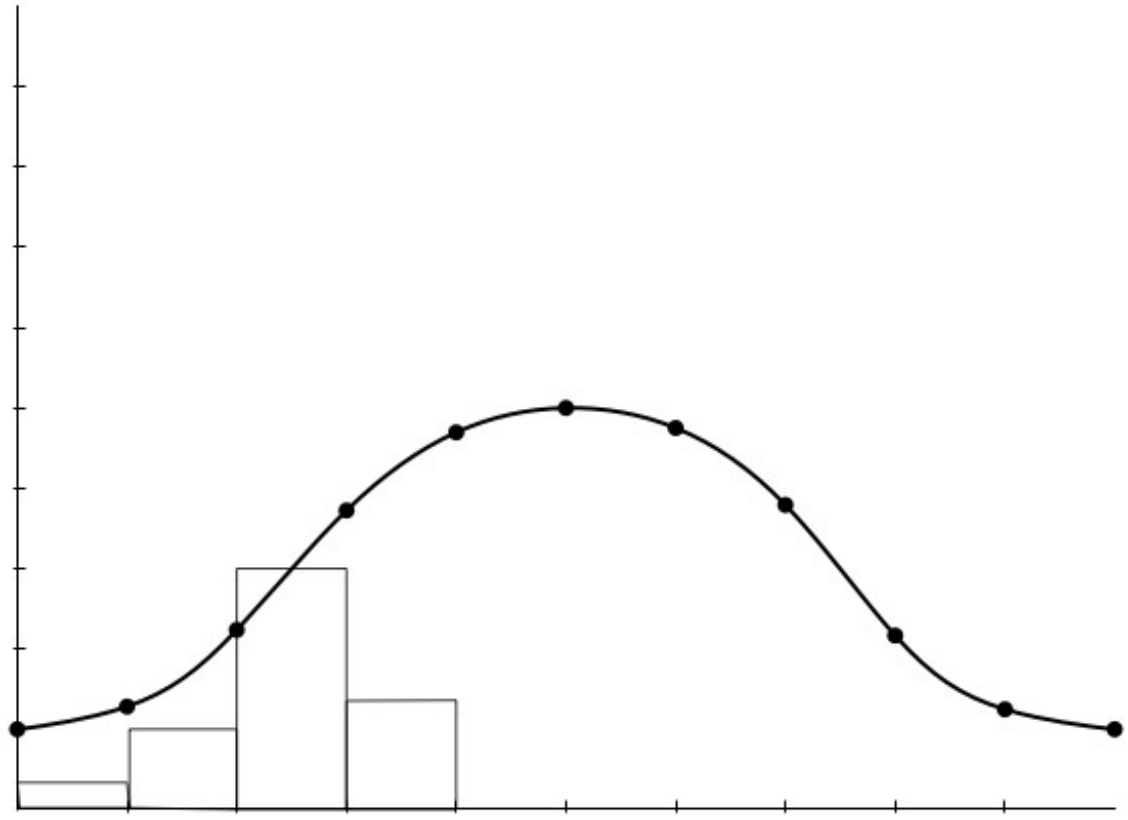
Lag time

Rising limb

Discharge

Falling limb

Annotate the hydrograph below



River Management

Identify advantages and disadvantages of each hard engineering technique.

	Advantages	Disadvantages
Dams and reservoirs	social economic environmental	social economic environmental
Channel straightening	social economic environmental	social economic environmental
Embankments	social economic environmental	social economic environmental
Flood relief channels	social economic environmental	social economic environmental

River Management

Identify advantages and disadvantages of each soft engineering technique.

	Advantages	Disadvantages
Flood warnings	social economic environmental	social economic environmental
Floodplain zoning	social economic environmental	social economic environmental
Afforestation	social economic environmental	social economic environmental
River restoration	social economic environmental	social economic environmental

River Management

Complete the case study below for your example of river management.

Case study of river management: _____

Reasons for management	
Management strategy	
Effects	
Conflicts	

Interactive Revision

Check out the interactive flashcards, multiple-choice quizzes and short answer questions on internetgeography.net