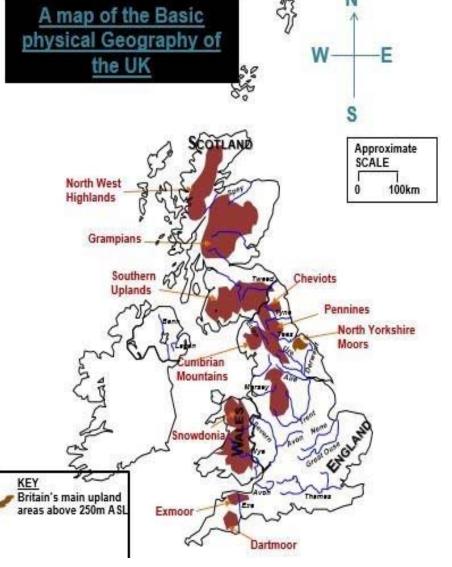
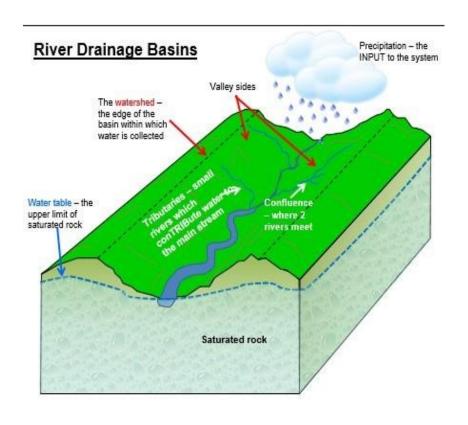
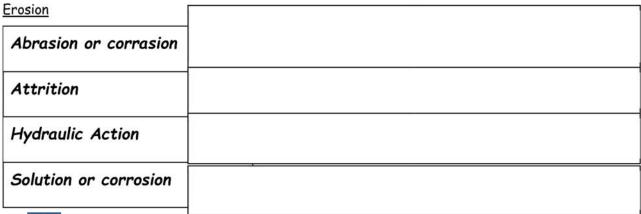
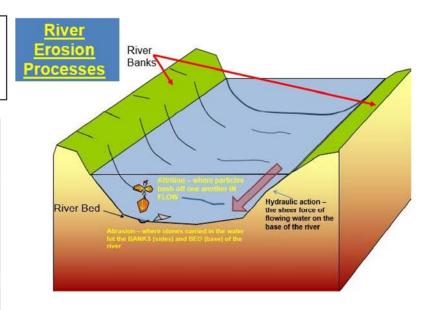
Physical landscapes in the UK



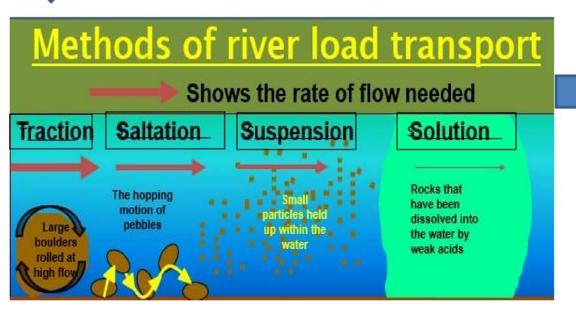


The shape of river valleys changes as rivers flow downstream - PROCESSES





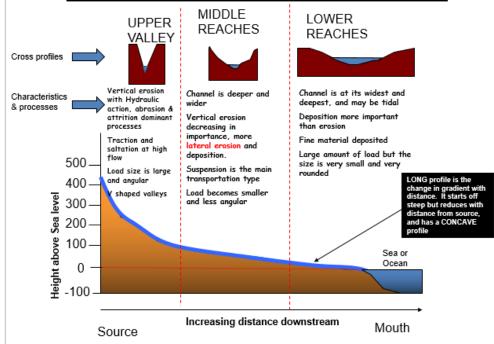




	<u>Deposition</u> Why does deposition occur?
	Describe reasons why a river's energy decreases.
1	
ı	

Challenge: What is the Hjulstrom Curve?

Long and cross profiles on a TYPICAL river



Where does most of the vertical erosion take place? Why?

Where does most the Lateral erosion take place? Why?

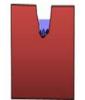
Explain what happens to the discharge and velocity as the river travels downstream,

	EROSION	TRANSPORTATION	DEPOSITION
UPPER COURSE			
MIDDLE COURSE			
LOWER COURSE			

What are the features of a river?

Upper / Middle / Lower?	Feature	Description
	Floodplain	
	Plunge pool	
	Ox-bow lake	
	Waterfall	
	Meander	
	V-shape vallev	

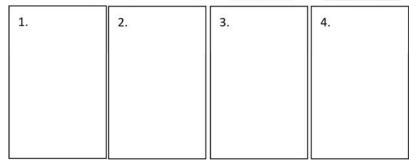
How is a V-Shape Valley formed?





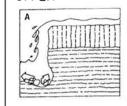


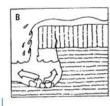


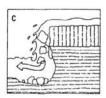


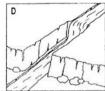
Upper, middle and lower - Draw, label and describe the formation of the features located along the

UPPER

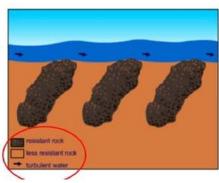




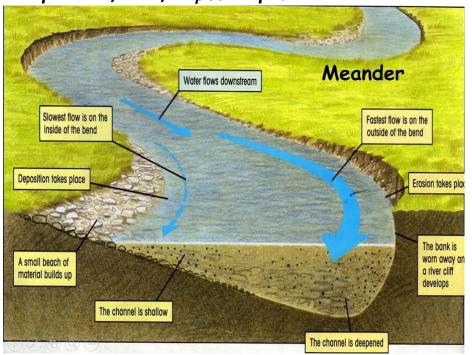


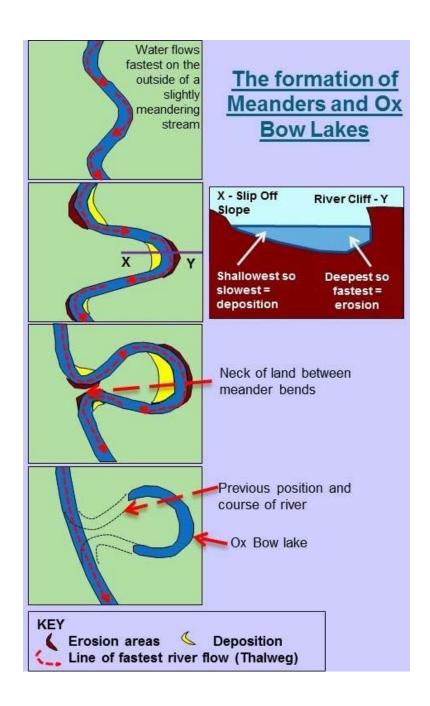


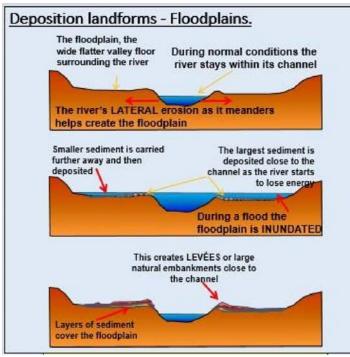
Using pg 155 annotate the diagram showing how Rapids are formed.



MIDDLE	
As water travels from the upper rivection to the rivection. There is less pull from, therefore there is less erosion and more erosion. The s	
movement of water causes it to flow on the outside be	end, as
such the water has more <u>and</u> erosion Takes place forming o	I .
, the water slows down on the	_which
means the water has energy, and so	occurs
forming a .	
Missing wordsGravity, Middle, lateral, vertical, energy, faster, insidleend, River Cliff, deposition, less, slipff slope.	,



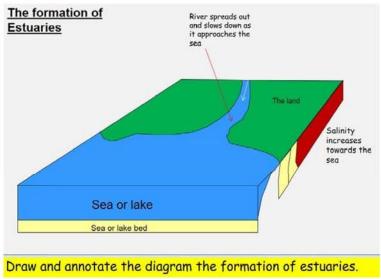




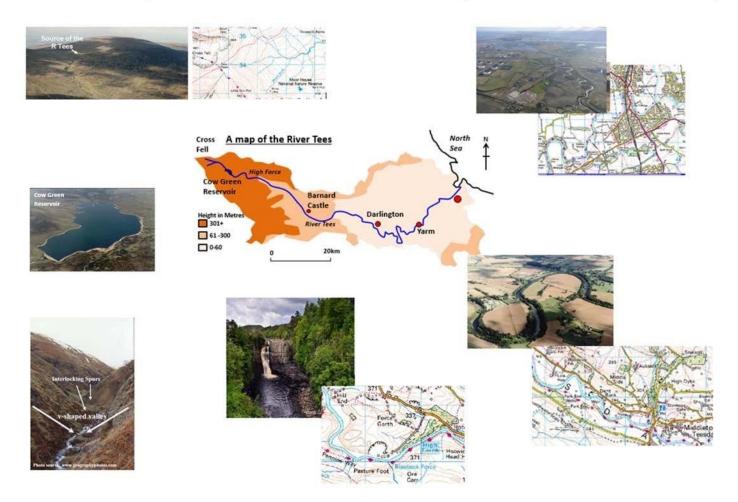
Lower	-Fle	aboo	lains	and	Levées

Firstly, floodplains are formed by a combination of both (where land is worn away) and (where sediment is laid down by the river) processes.					
erosion (where the river erodes from side to side across the floodplain) has the effect of the floodplain over hundreds of years.					
Deposition is also important. When the river, it spreads out over the floodplain.					
Next, this slows the river down as the river is in contact with more					
This causes deposition of, the rocks and the most sediment is dropped closest to the river channel, the finer material is dropped away.					
Finally, this creates a floodplain and levées.					

Words to use: widening, deposition, floods, Lateral, levees, friction, largest, erosion, further, sediment, layered



Casestudy - River Tees, an example of a river valley

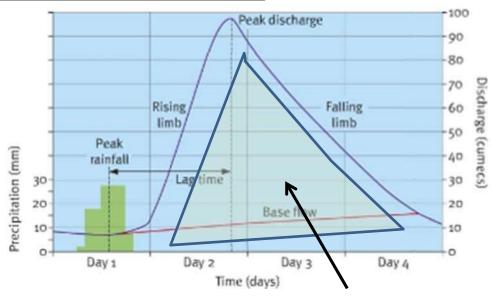


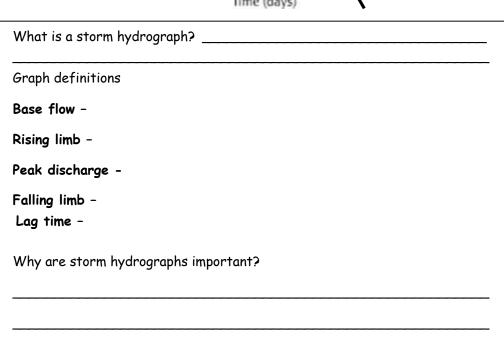
Using your notes and research online - Add detailed notes about all of the landforms and processes and human interferences with the river. GCSEPOD will help.

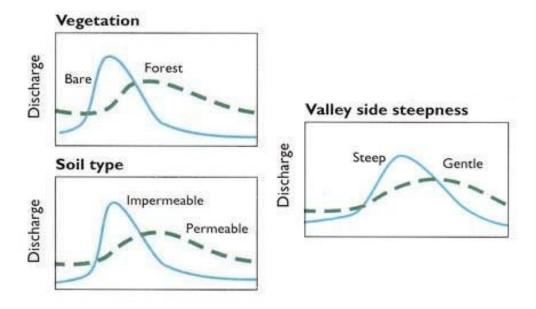
Causes of flooding

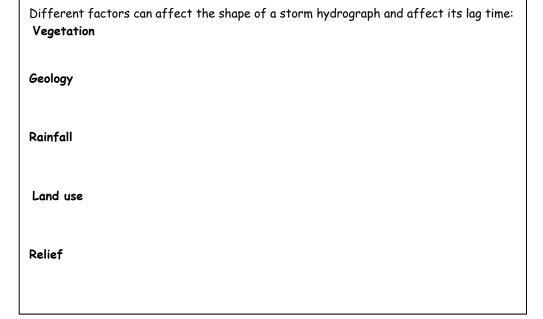
Human Causes	Physical Causes

Storm hydrographs









Hard and soft engineering of river environments

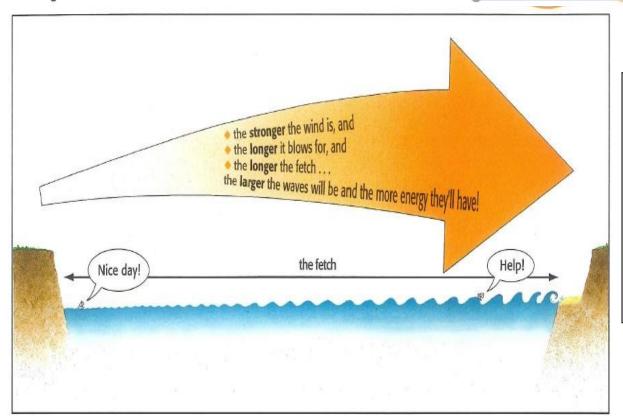
	Definition	Scheme	How it works	Diagrams or examples	Costs (negatives)	Benefits (positives)
Hard engineering		Dams and reservoirs				
Ha		Straightening meanders				
		Embankments				
		Flood relief channels				
Soft engineering		Flood Warnings and preparation				
		Flood plain zoning		Land uses increase in value as distance from river increases		

Coasts and Waves

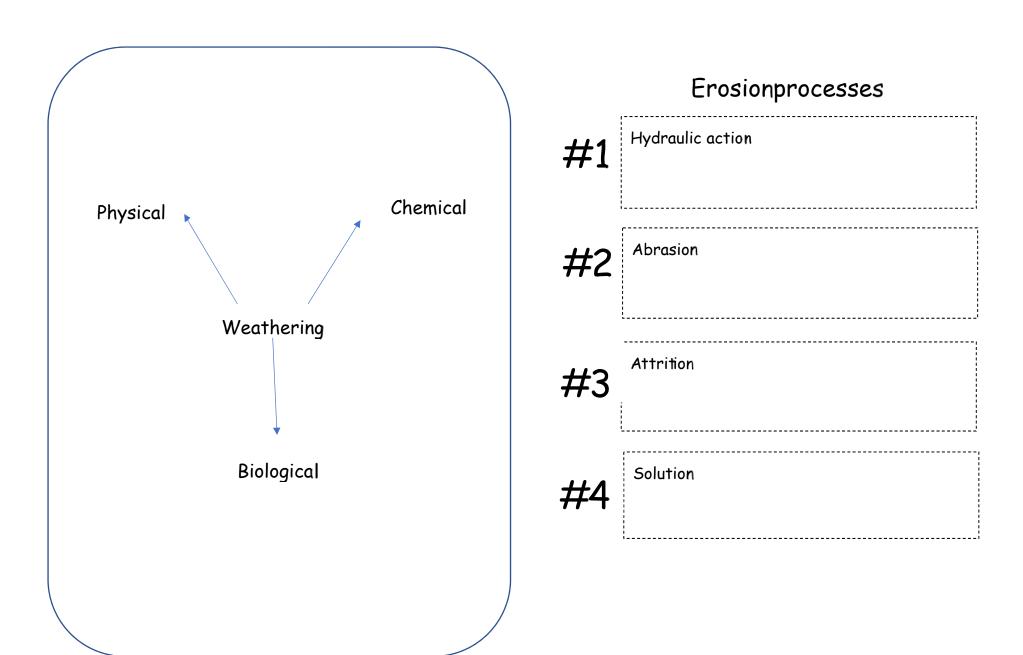
What causes waves?

Waves are caused by the **wind** dragging on the surface of the water. The length of water the wind blows over is called its **fetch**. The coast is a narrow zone where the land, sea and atmosphere meet. It is constantly chanaina. Some coastlines are being rapidly eroded (broken down) while others are being slowly constructed (built up).

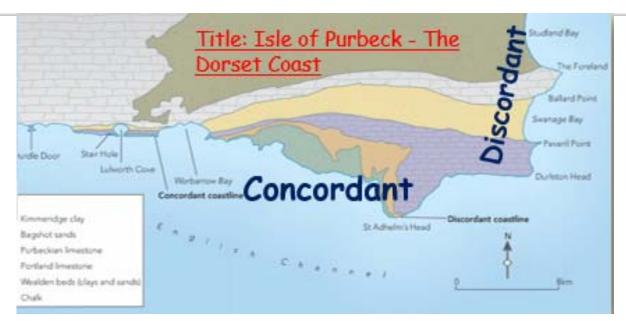
Waves are made by the transfer of energy from the wind blowing over the surface of the sea. The stronger the wind blows the larger the waves are that are formed. The larger the wave, the more energy it contains.



Why are some waves bigger and stronger than others? (4 marks)

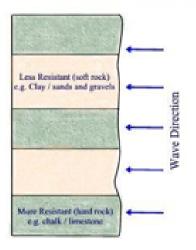


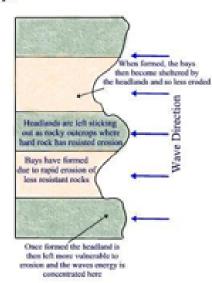
Why does deposition occur? Transport Draw a labelled diagram of longshore drift explaining how it transports sediment along the coast.

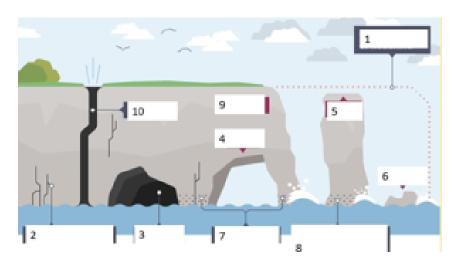


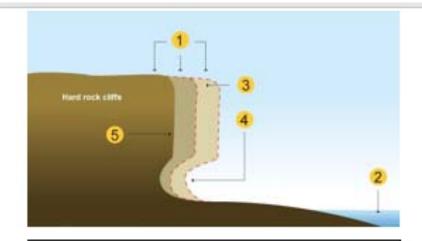
Discordant coastline

The Formation of Headlands and Bays









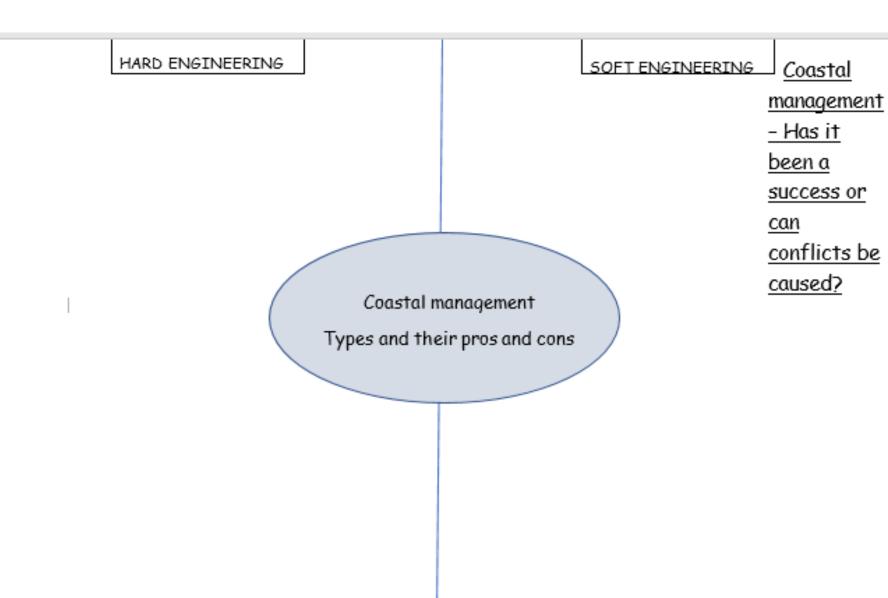
Cliff retreat and wave-cut platform formation

Draw a labelled diagram of a spit and explain how it is formed:



Sand dune formation:

Concordant coastline



Holderness coastline

How are they protecting the coast?

Success or failure?

OR Lyme Regis coastline

How are they protecting the coast?

Success or failure?