

Year 8 Water on the Land Knowledge Organise page 2

Key Processes

Erosion: the wearing away of the bed and banks of the river channel

Abrasion: the pebbles being transported wear away the bed and banks of the river channel.

Attrition: The material is knocked about as they are transported, and they gradually become more rounded and reduced in size.

Hydraulic Action: The sheer force of the water by itself can erode the channel.

Corrosion: dissolved material erodes the channel.

Transportation: the river moves material.

Saltation: material bounced along the bed of the river.

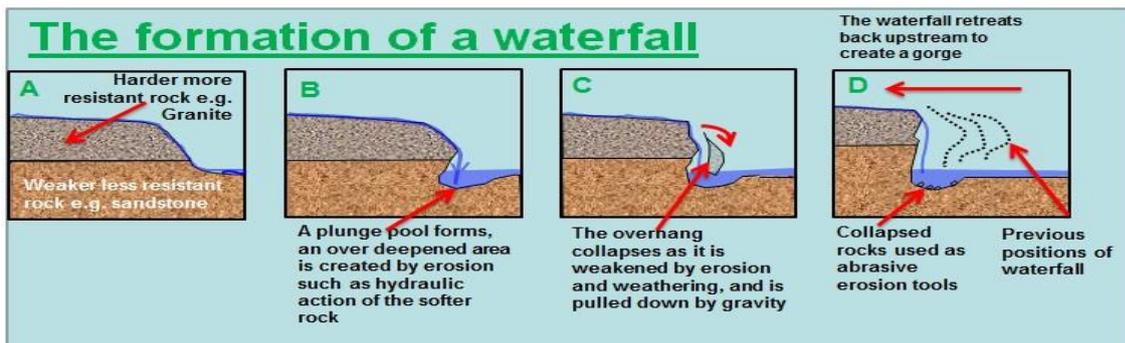
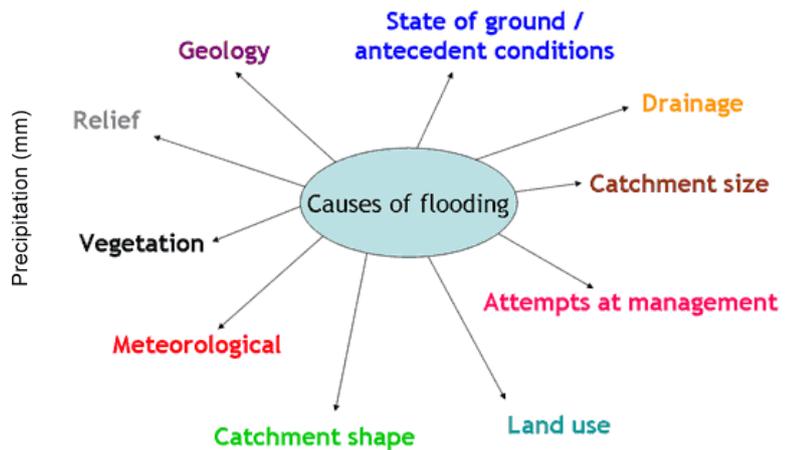
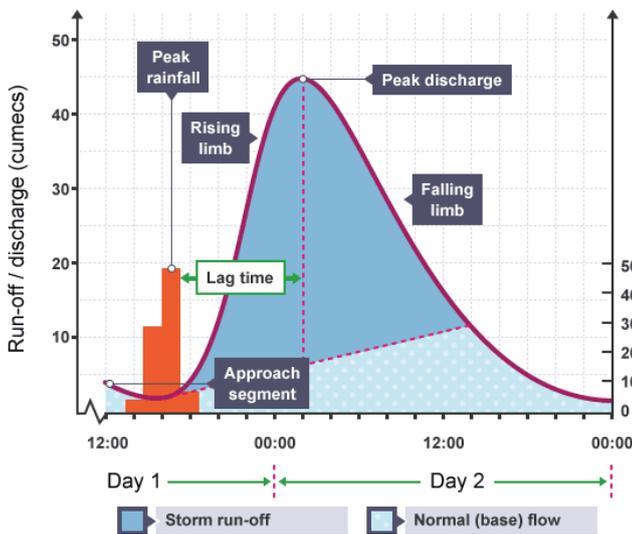
Suspension: fine material carried by the river / floating

Traction: material rolled along the bed of the river.

Solution: dissolved material is carried.

Weathering the break-down or decomposition of rock by biological, physical or chemical processes.

Storm hydrograph



Discharge: The volume of water flowing through a river channel measured in cumecs.

Useful website

https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=27&cad=rja&uact=8&ved=2ahUKewjKvLDzjbPkAhX_QKEAHbtYBpAQFjAaqgQIBxAB&url=https%3A%2F%2Fgarsidej.wordpress.com%2Fyear-7%2Fivers%2F&usq=AOvVaw2IGrfsExJMLaIFXlisQOar