

Rivers erode the land in four main ways

WATER POWER



Image from Pixabay

hydraulic action

The force of the water breaks down the riverbed and banks.

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CHEMICAL ACTION

solution

Acids in the water dissolve the rock.



Image from Wikimedia Commons

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Image from Pixabay

abrasion

Rocks wear away each other and the riverbed and the banks.

SANDPAPERING (rubbing)

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attrition

Rocks collide and break up.



Image from Pixabay

CRASHING

Rivers transport sediment that they erode in four main ways

traction

Large rocks are rolled along the river bed.



Image from Pixabay

TRACTOR WHEELS

Rivers transport sediment that they erode in four main ways

saltation

Pebbles bounce along the river bed.



Image from Pixabay

JUMPING BEANS

Rivers transport sediment that they erode in four main ways

HOVERBOARD

suspension

Small sediment is carried along in the flow of the river.



Image from Unsplash by Naomi Tamar, @naomitamar

Rivers transport sediment that they erode in four main ways

INVISIBLE MATERIAL



Image from Pixabay

solution

The smallest sediment is dissolved into the water.

River Processes



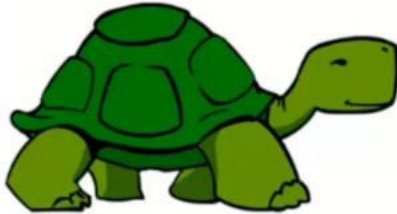
Images from Pixabay

When a river is travelling fast it has MORE energy and so it can do MORE erosion.



Depositing

Rivers lose energy when they slow down.



Images from Pixabay

Rivers lose energy when the sediment they are carrying is very big.



Labels:

- Erosion on the outside of the bend
- Deposition on the inside of the bend
- Transportation

