

1 minute to name as many world rivers as you can.

Next.....

Which hemisphere, continent, country are they in?

Week 4

WALT:

Describe and understand key aspects of physical geography, including rivers

Recognise how rivers shape the land

Red

Explain what erosion and deposition are

Yellow

Explain how rivers erode and deposit in different ways using actions and models

Green

Explain how rivers shape the land



Oak Academy lesson 2

How do rivers shape the land?

Rivers erode the land in four main ways

attrition

Rocks collide and break up.



Image from Pixabay

CRASHING

Rivers erode the land in four main ways



Image from Pixabay

abrasion

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

SANDPAPERING (rubbing)

Rivers erode the land in four main ways

CHEMICAL ACTION

solution

Acids in the water dissolve the rock.



Image from Wikimedia Commons

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.



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



Image from Unsplash by Naomi Tamar, @naomitamar

suspension

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

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



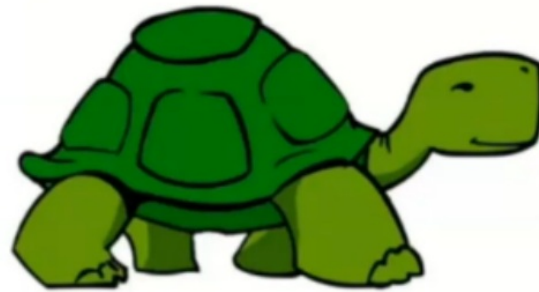
Images from Pixabay

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.



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



Images from Pixabay

Labels:

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



Activities

- Put actions to the words you have learnt to help you remember them and so you can explain them to some one else
- Use the equipment on your table to model what those actions look like - a tray, water, jug, stones, soil)
- Present your actions and models to other groups

Plenary



How have rivers shaped the land?

Work as a group to make a mind map of your learning