

Students: fill in next to the word answer and return the document for assessment.

Geography

The River Book

Everything here is based on our Curriculum Visions book The River Book.

In this segment we are going to think about how rivers get their water and what they carry.

Pages 8-15

Part 1

Pages 8-9

Explain the stages of the water cycle?

Answer.....

Moisture evaporates from oceans, rises and cools to make clouds. Rain or snow falls from the clouds and mostly seeps into the soil (very little in rivers). It then goes through the soil (and permeable rocks) to riverbanks, then flows back to the sea. [Some of the water in the soil is also used by plants to grow]

Why do we say that the soil is like a sponge?

Answer.....

Because soil is made of small bits like sand that do not fit together exactly, there are gaps where water can soak in. Because the gaps are small, they hold on to water – just like a sponge. Only water not needed to fill the soil goes down to rivers.

Why do rivers rise long after a period of rain?

Answer.....

It takes time for water to pass through the soil and reach the riverbanks. Rivers only rise quickly if the soil is full, and then water flows across the surface.

Part 2

Pages 10-11

What is the name for when pebbles wear each other away, or wear the river bed away?

Answer.....
Abrasion.

What is formed in some upland rivers if pebbles get caught in eddies?

Answer.....
Potholes.

Part 3

Pages 12-13

Where do rivers flow fastest?

Answer.....
In the middle (away from friction with the banks).

What are the materials carried by a river?

Answer.....
Pebbles, sand, silt, mud (clay) and material in solution {emphasise this last one}.

That is the end of this lesson, and you can now turn to another one. Also, find out if your teacher has left you any other worksheets or special instructions on your school website.