

Amazing Rivers Knowledge Organiser

Key knowledge

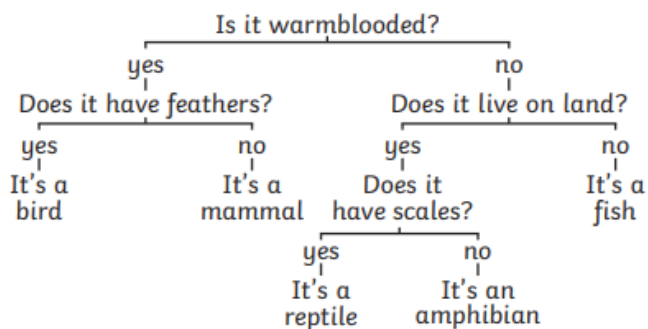
Science:

- ✓ Living things can be grouped in a variety of ways.
- ✓ Classification keys to help group, identify and name a variety of living things in their local and wider environment.
- ✓ Environments can change and this can sometimes pose dangers to living things.

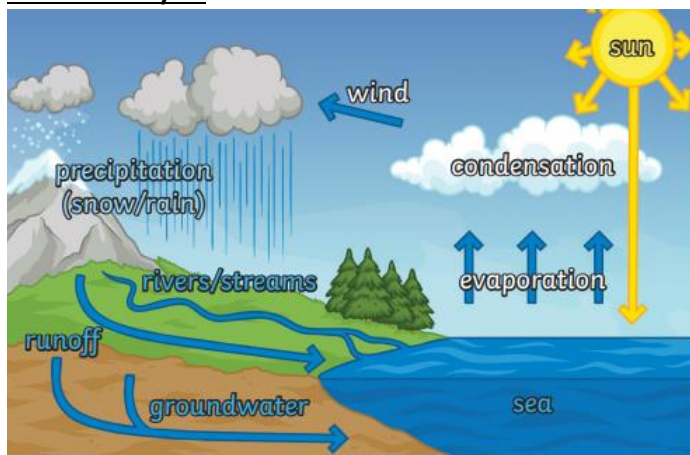
Geography

- ✓ The main stages of the water cycle: evaporation, condensation, precipitation, runoff and transpiration.
- ✓ Rivers have sources, channels, tributaries and mouths,
- ✓ A meander is a winding curve or bend in a river.
- ✓ Ox bow lakes are created when the meander is so deep that it cuts off a piece of the meander.
- ✓ The Grand Canyon is a National Park in Arizona, USA. The Colorado river runs through it.
- ✓ The River Thames is a local river which runs through the middle of London, our capital city.
- ✓ The source of a river is where it begins, usually in high ground.

Classification Tree

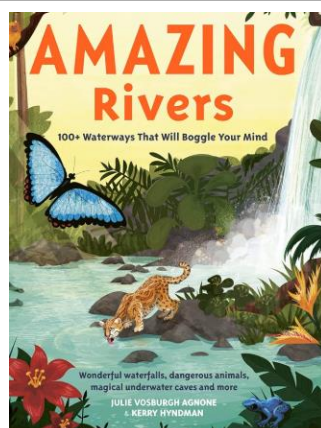


The Water Cycle

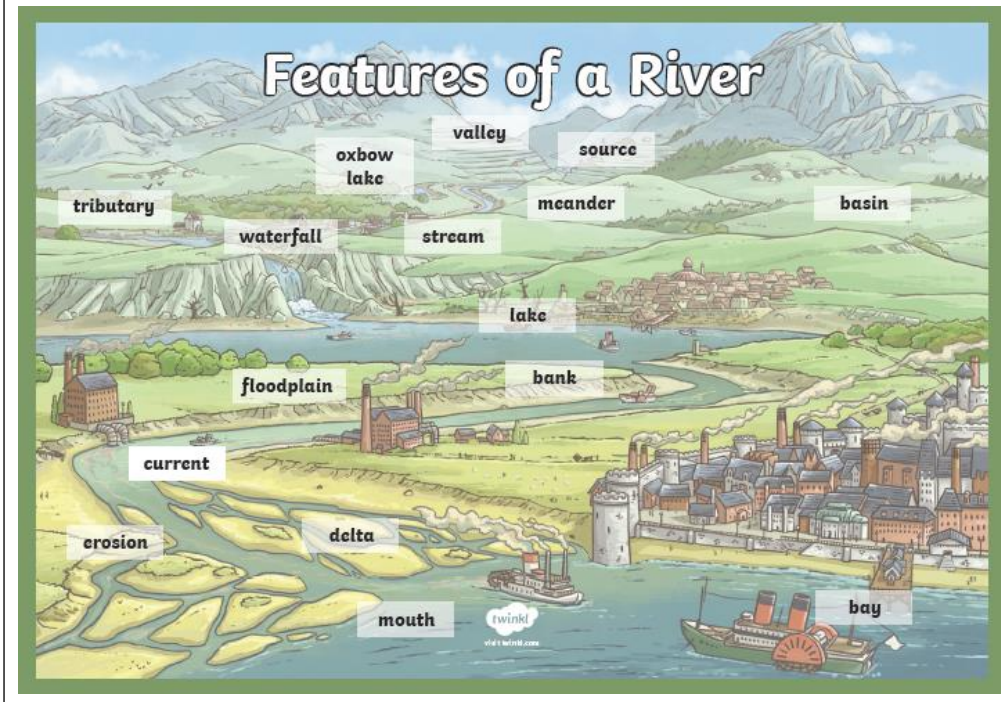


Key Vocabulary

water cycle	<i>The journey of water on Earth.</i>
precipitation	<i>Any liquid or frozen water that forms in the atmosphere and falls back to the Earth.</i>
condensation	<i>Any liquid or frozen water that forms in the atmosphere and falls back to the earth.</i>
evaporation	<i>When the heat from the sun warms the water, the liquid turns into a vapour.</i>
runoff	<i>Rain in excess of the amount absorbed by the ground.</i>
groundwater	<i>Water that is found under the ground.</i>
water vapour	<i>Water in the gaseous state.</i>
atmosphere	<i>The layer of air or other gases around a planet.</i>
river	<i>A moving stream of water.</i>
stream	<i>A small, fast flow of water.</i>
canal	<i>Waterways built by people used for shipping and transport.</i>
reservoir	<i>The store of water that is held back by a dam.</i>
source	<i>Where a river begins its journey.</i>
channel	<i>The path of a river.</i>
tributary	<i>A small river or stream that meets a large river.</i>
mouth	<i>Where the river enters the sea.</i>
confluence	<i>Where two rivers meet.</i>
meander	<i>A winding bend in the river.</i>
estuary	<i>The last section of the river before the sea.</i>
erosion	<i>Erosion occurs when the fastest currents in the river carve intensely into the banks.</i>
ox bow	<i>Ox bow lakes are created when the meander is so deep that it cuts off a piece of the meander.</i>



Features of a River



BIG Questions

What are the key stages of the water cycle?

What are the main features of a river?

How does a river start and end?

Where is the river Thames and what do we know about its history?