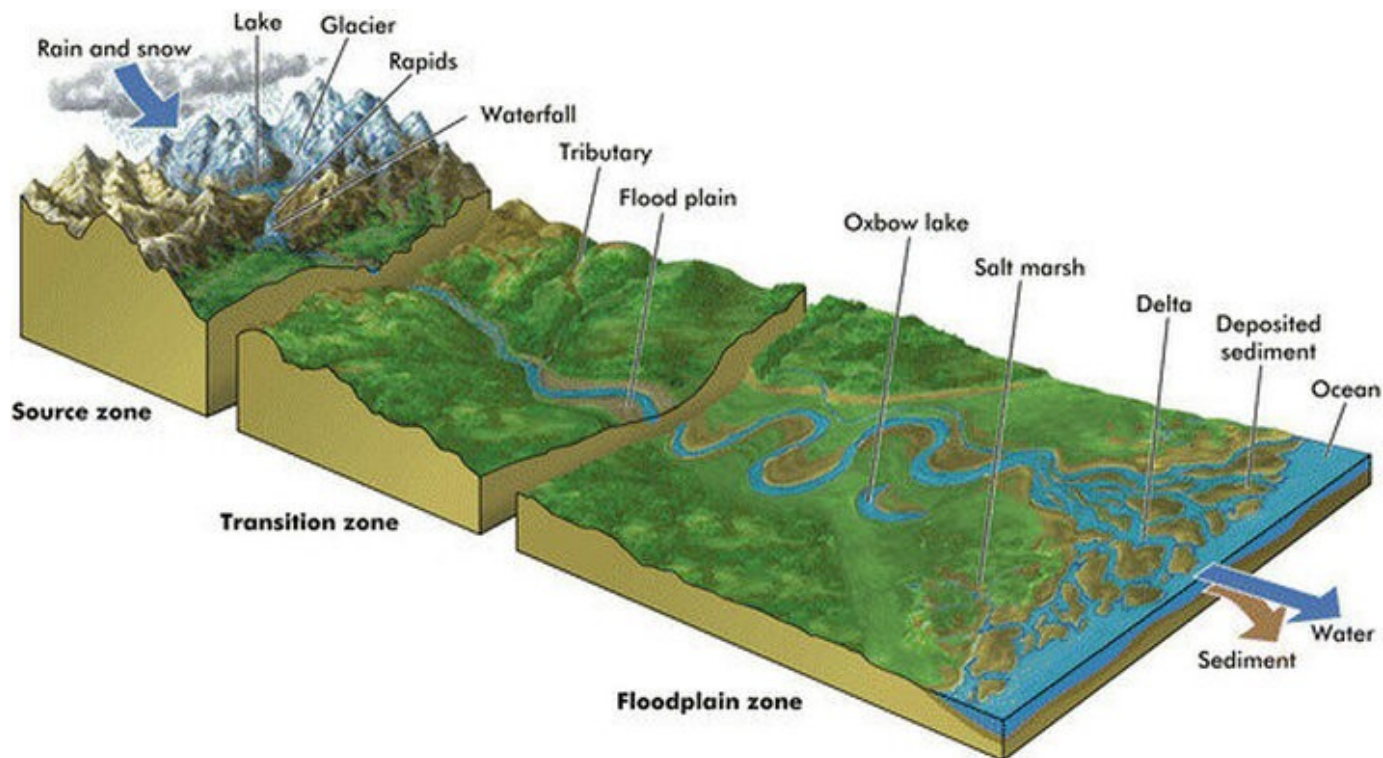


Year 4 Explore Knowledge Organiser - South America

Structure of a Tropical	Diagrams	Global Distribution of Tropical Rainforests
<p>Emergent Layer (50m)</p> <ul style="list-style-type: none"> • tallest trees <p>Canopy (30m)</p> <ul style="list-style-type: none"> • engine of the rainforest • captures most sunlight <p>Understorey (20m)</p> <ul style="list-style-type: none"> • younger trees <p>Shrub Layer (2-5m)</p> <ul style="list-style-type: none"> • ferns, bushes etc. <p>Forest Floor (0m)</p> <ul style="list-style-type: none"> • dark and quiet • decomposition. • sometimes flooded 	<p>Where can <u>rainforests</u> be located?</p> <p>The diagram shows four layers of a rainforest: Emergent Layer, Canopy Layer, Understorey Layer, and Forest Floor. To the right is a world map with green areas indicating the global distribution of tropical rainforests, primarily between the equator and the Tropic of Capricorn.</p>	<ul style="list-style-type: none"> • Most of the World's tropical rainforests lie between the Tropic of Cancer and the Tropic of Capricorn. • Tropical rainforests are found on either side of the equator in South America, Central Africa, South East Asia and Northern Australia. • The World's largest tropical rainforest (The Amazon) is found in South America.

Features of a River



Erosion and Deposition



The arrows show the direction of the **river current** which causes **erosion** over time.

Sometimes, two **meanders** can join together to form a 'shortcut'. Water will flow down the shorter route, **deposition** will block off the old route and this will create an oxbow **lake**.

Explore South America—Vocabulary

atmosphere	the layer of air or other gases around a planet
biome	a natural area of the living world which has its own climate, vegetation and animals
climate change	changes in the earth's climate , especially the gradual rise in temperature, as a result of human activity
climate zone	sections of the Earth that are divided according to the climate . There are three main climate zones; polar , temperate and tropical .
continent	a very large area of land that consists of many countries. Europe is a continent .
country	an area of land that is controlled by its own government.
deforestation	if an area is deforested, all the trees there are cut down
delta	an area of low land where a river splits and spreads out into several branches before entering the sea
desert	a large area of land, usually in a hot region, where there is almost no water, rain, trees, or plants.
erosion	the gradual destruction and removal of rock or soil in a particular area by rivers , the sea , or the weather
estuary	the wide part of a river where it joins the sea
equator	an imaginary line around the middle of the Earth at an equal distance from the North Pole and the South Pole.
export	To export products or raw materials means to sell them to another country
import	To import products or raw materials means to buy them from another country for use in your own country
meander	a large bend in a river
mouth	where a river flows into the sea
Palm oil	a yellow oil which comes from the fruit of certain palm trees and is used in making soap and sometimes as a fat in cooking
population	all the people who live in a country or area.
sedimentary	solid material that settles at the bottom of a liquid, especially earth and pieces of rock that have been carried along and then left somewhere by water, ice, or wind
stream	a small narrow river
temperate	a place which is never extremely hot or extremely cold.
tributary	a stream or river that flows into a larger one
tropical	parts of the world that lie between the imaginary lines; Tropic of Cancer and the Tropic of Capricorn. The topics have a humid climate , where the weather is hot and damp.
tropics	parts of the world that lie between two lines of latitude, the Tropic of Cancer, 23½° north of the equator, and the Tropic of Capricorn, 23½° south of the equator. The tropics have a humid climate , where the weather is hot and damp.
tundra	a flat layer of land where the top layer is frozen. There is hardly any vegetation .