Term 5: How can tropical rainforests be managed sustainably?

Year 9

(1) Keywords		(2) Tropical rainforest climate	(3) Plant and an	
Tropical rainforest	An biome found between the latitudes of 23.5°N and 23.5°S (the Tropics).	Tropical rainforests do not experience seasons like we do in the UK. Instead they have wet and dry seasons which are months each.	Sloth	The ⁻ also
Soil erosion	This is when the soil degrades in quality and is wearing away. This causes soil to become less fertile.	<text><list-item></list-item></text>		ther prea
Adaptation	The process where a plant or animal becomes better suited to its environment so it can survive.		Toucan	envi toes
Biodiversity	The variety of organisms found in an ecosystem.		Drip tip leaves	to the
Deforestation	The removal of trees to clear the land for a purpose.			This dam
Selective logging Ecotourism	The removal of selected trees within a forest based on criteria such as age, height, or species. A type of tourism that involves destinations where plants, animals are the attraction and environmental damage is minimal.		Large buttress roots	grov The the The
(4) Causes and impacts of deforestation		(5) Strategies to sustainably protect the rainforest	(6) Tropical	Rair
Causes of deforestation include: • Logging: the removal of trees to make wooden products		There are several strategies that can help to manage the rainforest sustainably, these include:	The tropical ra	infore
 Mineral extraction: mining and drilling for resources Population growth: building roads and housing for people Energy development through hydro-electric power Subsistence and commercial farming Impacts of deforestation include: Soil erosion: degradation (worsening) of soil quality Contribution to climate change: trees absorb carbon dioxide Loss of biodiversity: threats to species Economic development: increased profits 		 <u>Strategies to improve the sustainability of deforestation:</u> <u>Selective logging:</u> The removal of selected trees within a forest based on criteria such as age, height, or species. <u>International hardwood agreements:</u> agreements to sustainably source wood for products such as furniture. <u>Strategies to sustainably protect the tropical rainforest:</u> <u>Ecotourism:</u> tourism that involves minimal harm to the environment. <u>Conservation and education:</u> ensuring local people know how to 	It also contains value Food: b the rain Medicin from pla Shelter: People: resource Biodive plants a	s valua od: ba e rainf edicin m pla elter: ople: source odiver ants a
For vid	inity TV more help, visit Trinity TV and watch the following	 Debt reduction: removing some or all of a country's debt if they pledge to protect their rainforest. 	• Clir wo car	mate orld's d rbon d





nimal adaptations

ey are slow moving to conserve energy. They are o camouflaged to prevent predators from seeing m in the trees. They are nocturnal to avoid dators.

eir large bill also helps them keep cool in the hot vironment in which they live. They also have two s facing forward and two facing backwards to cling whe tree where they live.

ese leaves channel the water so it runs off the leaf. s means that the weight of the water does not nage the leaf. It also prevents bacteria from wing in the standing water.

ese roots anchor the trees into the soil, to prevent m from falling over as they grow extremely tall. ese roots are shallow and spread widely.

nforests value and protection

est is a very valuable **biome.**

able materials and ingredients for:

ananas, vanilla, sugar, cocoa and more come form forest.

ne: 25% of western medicines contain ingredients ants in the tropical rainforest.

they provide furniture products for many homes.

indigenous tribes make use of the natural e and live in harmony with the rainforest.

rsity: It is home to around 50% of the world's nd animal species.

control: The rainforest produces 28% of the oxygen, and also absorbs significant amounts of dioxide to limit climate change.