



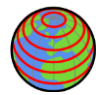

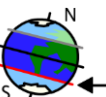

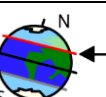

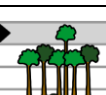


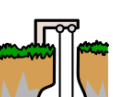


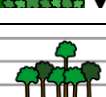




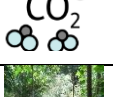


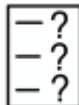


Year 5. Spring 1. **Geography: Rainforests**

Vocabulary			Knowledge	
rainforest	An area of tall, mostly evergreen trees.			A biome is an area of our planet with similar climates, landscapes, animals and plants. A tropical rainforest is a biome (an area of our planet with similar climates, landscapes, animals and plants).
Equator	An imaginary line around the widest part of the earth at a latitude of 0°.			A rainforest is an area of tall, mostly evergreen trees. They have a high amount of rainfall and warmth.
latitude	The distance, measured in degrees, North or South of the equator.			The largest rainforests are the Amazon, Congo, New Guinea, Sundaland and Indo-Burma.
Tropic of Capricorn	An imaginary line at 23.5 degrees south of the equator.			All tropical rainforests are located between 23.5 degrees North (known as the Tropic of Cancer) and 23.5 degrees south (known as the Tropic of Capricorn).
Tropic of Cancer	An imaginary line 23.5 degrees north of the equator.			Between the Tropic of Cancer and the Tropic of Capricorn the climate is humid, wet and hot – which is why tropical rainforests are so abundant.
emergent layer	The uppermost part of the rainforest			50% of tropical rainforests have been cut down over the last 100 years - This process is called deforestation.
canopy	The layer which contains the leaves and branches high up in the rainforest.			This happens due to (i) creating space for homes (ii) selling resources (iii) mining for precious materials or fossil fuels (iv) providing land for farming
understory layer	The lower area where there is little light and vines grow.			The consequences of deforestation are (i) animals and indigenous people lose their homes (ii) soil erosion (iii) contributes to climate change. Trees take carbon dioxide (CO <sup>2</sup> ) out of the atmosphere, so cutting them down means that there is more CO <sup>2</sup> in the atmosphere.
forest floor	The lowest area of the rainforest where there are dead leaves and little light.			Climate change is the increasing overall average temperatures of the Earth. The burning of fossil fuels such as gas, oil and coal is a major contributor. Trees take carbon dioxide from the Earth's atmosphere.
deforestation	The cutting down of a large area of trees.			Trees remove CO <sup>2</sup> out of the atmosphere, so cutting them down means that there is more in the atmosphere.
indigenous	A living organism from a certain place.			Tropical rainforests are Earth's oldest living ecosystems with some surviving in their present form for at least 70 million years.

Quizzing		Quiz at home																						
Ask your partner the questions below. Can they find the correct answer on the right-hand side?		Ask your adult to look at the KO.																						
What is the imaginary line called that circles the middle of the Earth?	Emergent layer.	Quiz them using the vocabulary and knowledge section or the quiz questions.  • Can they beat your score?  • Can they score more than 5? 10?  • Compete with your adult in the elimination quiz. Take it in turn to ask each other questions. The first person to get a question wrong is out.																						
What is the name of the lower area of a rainforest, where there's little light and vines grow?	Tropic of Capricorn.																							
What percentage of rainforest trees have been cut down in the last 100 years?	The understory layer.																							
How old are the oldest rainforests believed to be?	Over 70 million years old.																							
What is the name of the uppermost part of a rainforest?	The Equator.																							
Which imaginary line is in the northern hemisphere?	50%																							
Which imaginary line is in the southern hemisphere?	Burning fossil fuels.																							
What gas do trees remove from the atmosphere?	Tropic of Cancer.																							
What is a major contributor to climate change?	Carbon dioxide.																							
BIG Questions		Beat the adult																						
<div>1. Between which two imaginary lines are the rainforests located?</div> <div>2. What are the four layers of a rainforest called?</div> <div>3. How should you describe the climate of a rainforest?</div> <div>4. How is deforestation effecting climate change?</div> <div>5. What is deforestation and why does it happen?</div>	<div>Your teacher can give <b>10 facts</b> in <b>1 minute</b> about this topic.</div> <div>How many can you give to your partner?</div> <div></div>	<div></div> <div></div>																						
Word scramble	Creative Tasks	Challenge																						
<div>Unscramble the key vocabulary from this topic below. You can create your own at the bottom</div> <table><tr><td>agreement lyre</td><td></td></tr><tr><td>quote ar</td><td></td></tr><tr><td>altitude</td><td></td></tr><tr><td>yerry outlanders</td><td></td></tr><tr><td>sor fainter</td><td></td></tr><tr><td>Cap f correcTion</td><td></td></tr><tr><td>a c pony</td><td></td></tr><tr><td>is a tenderfoot</td><td></td></tr><tr><td>effort roots</td><td></td></tr><tr><td>airproof ciTron Cp</td><td></td></tr><tr><td></td><td></td></tr></table>	agreement lyre		quote ar		altitude		yerry outlanders		sor fainter		Cap f correcTion		a c pony		is a tenderfoot		effort roots		airproof ciTron Cp				<div>1. Use a blank copy of the KO to fill in the missing information.</div> <div>2. Box Rainforest: Create a 3D model of the rainforest layers in a box, adding drawings or cut outs of plants and animals to each layer.</div> <div>3. Rainforest Art: Draw or paint a rainforest scene, focusing on the plant life.</div> <div>4. Make an informative poster about saving the rainforests. Make sure that you include illustrations.</div>	<div><b>Deforestation Argument</b></div> <div>Research deforestation and write a balanced argument that includes reasons for deforestation and its advantages and disadvantages.</div> <div><b>Rainforest Research</b></div> <div>Research facts about rainforests, such as their importance or the average rainfall they receive, and then create a poster or fact file to share.</div> <div><b>Food Chain Activity</b></div> <div>Choose a rainforest. Use photos or your own pictures to sort rainforest animals and plants to create a food chain.</div>
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## Enquiry

### Animal Enquiry

Many different animals live in rainforests. These are from many animal groups: reptiles, mammals, birds, insects, amphibians and arachnids.

Choose one of the rainforests and investigate the different animals that live there.

Make a mindmap to summarise your findings.

Here is a map to help you decide which rainforest to investigate.

