



Percentage	I can ...	Prove it!
	<p>I can evaluate a topic by presenting the positives and negatives before reaching a conclusion. I can defend my judgement using a variety of evidenced points.</p> <ul style="list-style-type: none"> Arguments that support the statement. Why is it correct? Arguments against the statement? Why is it incorrect? Suggest a minimum of two alternative options explaining how they would impact differently. Overall do you agree or disagree with the statement and why? Use evidence to back up your points. 	<ol style="list-style-type: none"> For a tropical rainforest you have studied, assess the importance of management strategies used to reduce the risk of environmental damage. For a tropical rainforest environment, to what extent does it provide opportunities for development? Assess the effectiveness of strategies used to reduce environmental damage in the rainforest. Study Figure 2 (below). Use the extracts and your own knowledge to explain how international co-operation can ensure that tropical rainforests are managed sustainably. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Carbon credits Rich countries can 'offset' their carbon emissions by buying 'carbon credits'. Money is paid to poor countries to maintain their rainforest.</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Carbon sinks In 2008 the Gola Forest on Sierra Leone's southern border with Liberia was protected from further deforestation by becoming a National Park. The 75 000 hectare park is supported by money from the European Commission, the French government and non-governmental organisations (NGOs) such as the Royal Society for the Protection of Birds (RSPB).</p> </div>
	<p>I can compare two or more factors using detailed evidence to back up my comparison. I make sure I explain how they will impact differently.</p> <p>I can break information into parts.</p> <p>I can use specific case studies or examples to provide evidence in my work.</p>	<ol style="list-style-type: none"> Suggest how small scale ecosystems are at risk from human activity. Use an example you have studied. Study Figure 6, a map showing the global distribution of climatic zones. Using Figure 6 and your own knowledge, describe and explain the distribution of climatic zones. <div style="text-align: center; margin-bottom: 10px;"> <p>Figure 6</p> </div> <ol style="list-style-type: none"> Study the Figure 2 (bottom of learning ladder), a diagram showing the nutrient cycle. Explain why the diagram shown is an example of nature's recycling. Explain how deforestation can have economic impacts. Explain how deforestation can have environmental impacts. Explain, using specific examples how rainforests can be sustainably managed.



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	<p>I can demonstrate a clear understanding of facts and processes through explanation, which follows a detailed structure that ensures I explain my point/s to the fullest.</p> <ul style="list-style-type: none"> <i>I believe.....because..... This means that..... As a result.....</i> <i>I choose.....because..... This means that..... As a result.....</i> <i>One way is.....because..... This means that..... As a result.....</i> 	<ol style="list-style-type: none"> 1) Explain why there is a humid and hot climate on the equator (rainforest). 2) Suggest how tropical rainforest vegetation adapts to the climate. 3) Study Figure 1 (bottom of the learning ladder). With the help of the extracts, explain how reducing debt can reduce tropical rainforest deforestation. 4) Explain why deforestation occurs in rainforests. 5) Suggest how deforestation can damage the natural environment. 6) Explain how mining and deforestation contribute to climate change. 7) Explain how use of the tropical rainforest can provide opportunities for economic development. 8) Explain how selective logging and replanting are examples of sustainable management in tropical rainforests. 9) Study Figure 3 (bottom of learning ladder). Explain how eco-lodges are sustainable.
	<p>Demonstrate an understanding of facts and ideas through detailed description, which uses evidence to back up points.</p> <p><i>Make your point and then give two examples.</i></p> <ul style="list-style-type: none"> <i>Desert ecosystems are found..... For example..... The rainforest ecosystem is found... For example.....</i> <i>The rainforest has many unique characteristics. Firstly.....For example..... Secondly.....For example.....</i> <i>Plants in the rainforest have adapted to suit its humid, hot climate and unfertile soils. Firstly.....For example..... Secondly.....For example.....</i> 	<ol style="list-style-type: none"> 1) Describe the difference between a food chain and food web. 2) Describe the differences between the 3 types of consumers (herbivore, carnivore and omnivore). 3) Describe the features of a small-scale ecosystem in the UK. 4) Describe how nutrients are recycled within an ecosystem. 5) Describe the distribution of global rainforest. 6) Describe the key characteristics of two ecosystems of your choosing. 7) Describe the characteristics of the vegetation found in the rainforest. 8) Describe how animals adapt to the rainforest. 9) Describe key differences between the emergent layer and the shrub layer in the rainforest. 10) Describe four ways humans are using the rainforest. 11) Describe how human activity can positively impact on the rainforest and its people. 12) Describe how human activity can negatively impact on the rainforest and its people. 13) Describe 3 sustainable strategies to reduce the amount of deforestation in the rainforest. 14) Describe two ways ecotourism can bring benefits to an area



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<p>36%</p>	<p>I can recall facts, identify factors or points and organise my ideas in a logical way.</p> <p><i>The definition of.....is.....</i></p> <p><i>Two ways that.....</i></p>	<ol style="list-style-type: none"> 1) What is the definition of an ecosystem? 2) What is the definition of a producer and what is an example? 3) What is the definition of a consumer and what is an example? 4) What is the definition of a decomposer and what is an example? 5) What is a tropical rainforest? 6) In low pressure areas, the air..... 7) In high pressure areas, the air..... 8) List two characteristics of the rainforest. 9) List the four layers of the rainforest. 10) List two ways vegetation has adapted to the rainforest. 11) What is the definition of deforestation? 12) List four ways humans are causing deforestation. 13) List the positive and negative impacts of mining, agriculture and building roads in the rainforest. 14) What is the definition of sustainability? 15) List three sustainable strategies to reduce deforestation in the rainforest.

Key Words

Tropical Rainforest

Deforestation

Mining

Hydro-electric Power Station

Logging Company

Population Growth

Climate Change

Development

Economic

Transportation

Employment

Sustainability

Debt Relief & Carbon Sinks

Ecotourism

National Parks

Forest Reserves

Figure 1

Many rainforest countries are in debt to the rich countries of the world. These countries can trade the conservation of their rainforests in return for having their debt reduced.

Reducing debt has helped some countries to conserve their rainforest, e.g. in 2008 the USA reduced Peru's debt by \$25 million in exchange for Peru conserving its rainforest.

Figure 2

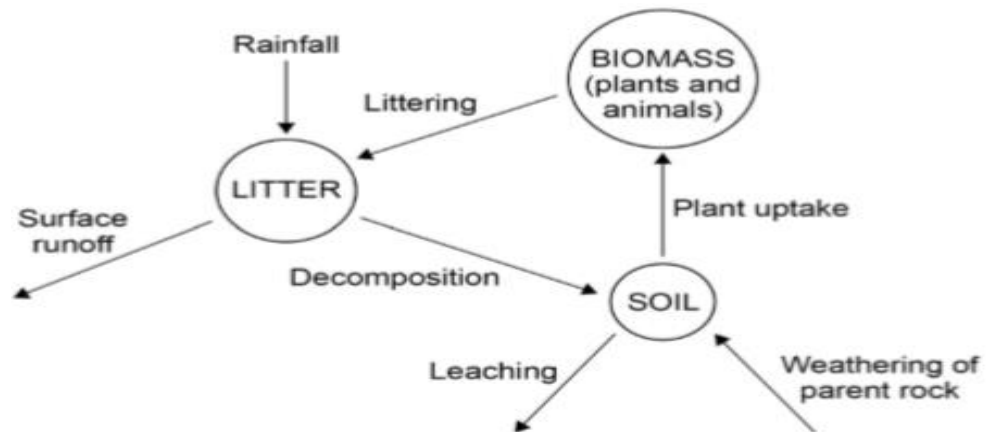


Figure 3

On the Caribbean coast, the Selva Bananito lodge provides holiday accommodation and associated activities. The lodge was built from wood discarded by loggers and the number of guests is limited. There is no electricity; solar energy is used to heat the water.

Biodegradable soaps are used for washing. Glass and plastic are recycled. Water used for drinking and cooking is purified using bacteria, enzymes and water lilies. The owners have set up a charitable trust to educate people about the rainforest and to provide activities such as jungle hikes and birdwatching.

