

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"> <i>Arguments that support the statement. Why is it correct?</i> <i>Arguments against the statement? Why is it incorrect? Suggest a minimum of two alternative options explaining how they would impact differently.</i> <i>Overall do you agree or disagree with the statement and why? Use evidence to back up your points.</i> 	<ol style="list-style-type: none"> 1) Research producers and consumers that live in the rainforest ecosystem. Using your research create a food web for this ecosystem. 2) What is the number one cause of deforestation? You must consider at least three causes in your answer and justify your choice. 3) Overall humans have a positive impact on the rainforest and its people. To what extent do you agree with this statement? 4) What is the best sustainable strategy to reduce deforestation in the rainforest? You must consider at least three sustainable strategies in your answer and justify your choice. 5) Case Study: how have humans living in the Amazon Rainforest created economic opportunities and how could they be more sustainable in their practices?
	<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"> 1) Identify the producers and consumers in the food web at the bottom of the learning ladder. Categorise the consumers into herbivores, carnivores and omnivores. 2) Describe the distribution of the ecosystems as you move north or south from the equator. 3) Using a named example, explain how human impact and climate change can impact on an ecosystem. 4) Describe how the sun's heating of our atmosphere affects global atmospheric circulation. (hint: Hadley cells, high pressure = air sinks, low pressure = air rises). 5) Compare how vegetation differs in the four layers of the rainforest. 6) Categorise the causes of deforestation into: population growth, economic development and renewable energy development. 7) Humans use the rainforest for mining, logging, hydro-electric power, agriculture and development. Outline the positive and negative impacts of these uses. 8) Using specific examples, describe how NGOs and international agreements have helped people to live more sustainably within the rainforest.



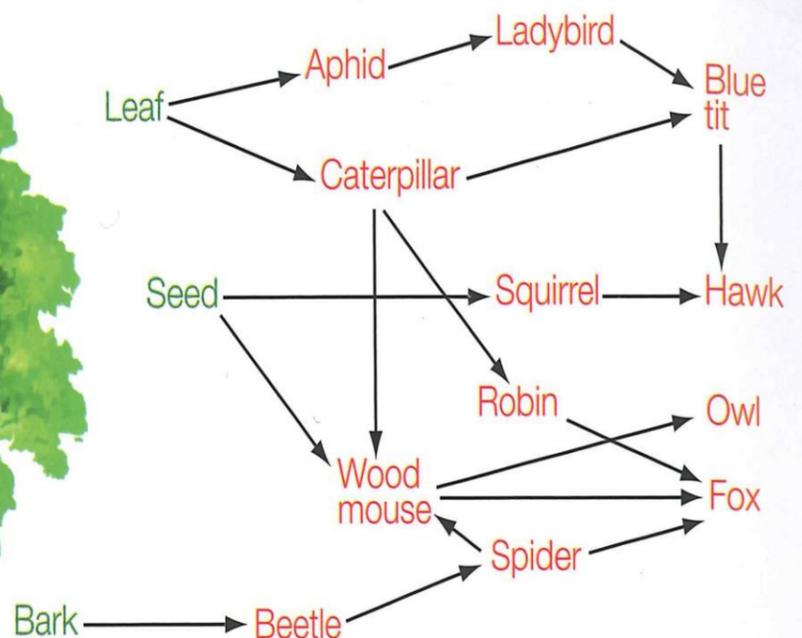
Percentage	I can ...	Prove it!
	<p>I can demonstrate a clear understanding of facts and processes through explanation, which follows a detailed structure that ensures I explain my point/s to the fullest.</p> <ul style="list-style-type: none"> • <i>I believe.....because..... This means that..... As a 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) Which ecosystem would you most like to live in and why? (include three reasons) 2) Explain why there is a humid and hot climate on the equator (rainforest). 3) Explain why there is an arid climate at 30° north and south (deserts). 4) Explain why there is a dry climate at the north and south poles. 5) Explain why the spider monkey and anaconda are suited to the rainforest ecosystem. 6) Explain why you find large buttress roots, lianas and large leaves in the rainforest. 7) Explain why population growth has caused deforestation. 8) Explain how mining and deforestation contribute to climate change. 9) Explain why the rainforest provides opportunities for economic development. 10) Explain how international agreements and charities can reduce deforestation.
	<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 three types of consumers (herbivore, carnivore and omnivore). 3) Describe how nutrients and energy travel within an ecosystem. 4) Describe how the food web at the bottom of the learning ladders shows that different parts of the ecosystem are linked to each other. 5) Describe the location of the rainforest ecosystem. 6) Describe the key characteristics of two ecosystems of your choosing. 7) Describe how plants adapt to the rainforest. 8) Describe key differences between the emergent layer and the shrub layer in the rainforest. 9) Describe four ways humans are using the rainforest. 10) Describe how human activities can positively impact on the rainforest and its people. 11) Describe how human activities can negatively impact on the rainforest and its people. 12) Describe three sustainable strategies to reduce the amount of deforestation in the rainforest.



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	<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) List the eight major ecosystems. 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



▲ Part of a food web (complete food webs are large and complicated)