

Post-visit teacher notes

KS5 Conservation and Biodiversity

Thank you for bringing your students to Kew.

We hope that the teaching session assisted in developing the skills and knowledge of your students and provided them with an insight into the amazing plants and plant science at Kew.

Following your visit, you can use the post-visit activity to further support your students' learning.

Pupils could answer the exam-style question on the following page, and then use the mark scheme to check their answers.



Have a go at an **exam-style question**

Scientists have discovered that plant biodiversity in rainforests is declining.

Describe the factors that may be contributing to the loss of plant biodiversity within the rainforest and suggest what the consequences might be if biodiversity continues to decline.

[6 marks]



Check your answers

Question	Marking Guidance	Mark	Comments
1.	<p>Max 3 causes of biodiversity decline from:</p> <ol style="list-style-type: none"> 1. Change in land use – replacement of rainforest with monoculture crops/cattle farms/settlements. 2. Climate change – plants may not be adapted to a changing climate. 3. Invasive species – may provide competition to indigenous plants. 4. Farming practices – use of herbicides/pesticides/fertilisers pollutes water systems. <p>Max 2 consequences of biodiversity decline form:</p> <ol style="list-style-type: none"> 1. Smaller gene pool – plants will be more susceptible to disease. 2. Endangerment or extinction of some plant species. 3. Impact on ecosystem e.g. food webs. 	6	Accept 'deforestation'

