AQA GCSE Combined Science - Trilogy | 8464

SPECIFICATION POINT 4.7.3.4

Deforestation

Mark schemes and examiner comments

Tier	**Higher**
Question groups	**1**
Available paper years	**2020–2020**

Using this booklet

1. Booklet answer numbers match the question booklet.
2. Use the original question number within marking tables.
3. Examiner comments are included where available.

Name: _____ **Date:** _____

Where a precise marking extract is unavailable, the full source document is included in an appendix. Any missing mark scheme is explicitly identified.

4.7.3.4 Deforestation

Answer 01 · Mark scheme

November 2020 | 8464/B/2H | Original Q7

Question	Answers	Extra information	Mark	AO / Spec. Ref.
07.1	**Level 2:** Scientifically relevant facts, events or processes are identified and given in detail to form an accurate account.		4–6	AO1 4.7.3.4 4.7.3.5 4.7.1.2 4.7.3.6 4.7.2.2
	Level 1: Facts, events or processes are identified and simply stated but their relevance is not clear.		1–3	
	No relevant content		0	
	Indicative content Reasons • tropical rainforests cleared for land • that land used to raise cattle, plant rice or plant crops such as coffee • land cleared for mining • that land used to grow biofuels or palm oil • (temperate) forests cut down for wood for building / paper • (temperate) forests cleared for farming (wheat / sheep) Effects • less trees to take in carbon dioxide for photosynthesis • decay by microorganisms respiring releases carbon dioxide • burning waste wood releases carbon dioxide • build-up of carbon dioxide in atmosphere leads to greenhouse effect • build-up of carbon dioxide in atmosphere leads to global warming • consequences of global warming • habitat loss • leading to reduced biodiversity • leading to soil erosion Must consider both reasons and effects for Level 2.			
07.2	(forests) involve gas exchange with the atmosphere		1	AO1 4.4.1.2

4.7.3.4 Deforestation

Answer 01 · Mark scheme

07.3	(in forests) carbon dioxide is used and oxygen is released whereas in lungs it is oxygen used and carbon dioxide is released	allow gas exchange occurs by diffusion in the leaves of trees, but involves ventilation / breathing in the lungs of animals	1	AO1 4.4.2.1
Total			**8**	