OCR GCSE 21ST CENTURY BIOLOGY B · J257

BIOLOGY



MARK SCHEME

B6.2 HOW DO SEXUAL AND ASEXUAL REPRODUCTION AFFECT EVOLUTION? (FOUNDATION)

SCORE	PERCENTAGE
/5	%

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Question			Answer/Indicative content	Marks	Guidance
1			idea that colour / flower will be the same ORA for seeds; ref. to clone / genetically identical; ORA for seeds; taking a cutting is a faster process / seeds would take longer to grow into a plant; ORA	3	**Ignore** cost **Examiner's Comments** This required an explanation of the benefits of taking a cutting rather than growing from seed. The word clone was often seen as was the fact that a faster result would be expected, but marks were lost by vague references to the plants being the same, rather than specifically stating that the flower colour would be.
			Total	**3**	
2			**1.** Advantage: (can be) fast / no need to find a mate ✓ **2.** Disadvantage: lack of genetic diversity / are all genetically identical ✓	2	MP2 **ALLOW** 'are clones' **DO NOT ALLOW** 'are all identical'
			Total	2	

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