

Sexual and asexual reproduction

Q1. (2020)

A)

04.4	only need 1 parent plant		1	AO3 4.6.1.1
	will produce (many genetically) identical plants		1	
		allow for 1 mark it is a faster process allow for 1 mark will produce a large number of plants at one time ignore clones unqualified		

B)

04.5	any two from:		2	AO3 4.6.1.1 4.6.2.2
	<ul style="list-style-type: none"> genetically identical so will all be susceptible to same diseases / pathogens no genetic variety for new colours / characteristics to offer customers no genetic variety leads to weaker / unhealthy plants (due to lack of evolution) 			

Q2. (2023)

01.2	gametes / eggs / sperm are not (genetically) identical	allow gametes / eggs / sperm are (genetically) different allow cells produced by meiosis are not (genetically) identical	1	AO1 4.6.1.1 4.6.1.2
	(there is) mixing of genetic information / genes / DNA or genetic information / genes / DNA from two / both parents	allow genetic information / genes / DNA from each parent ignore gametes fuse unqualified ignore two parents unqualified if no other mark awarded allow 1 mark for mutations	1	

Q3. (2024)

02.2	offspring are genetically identical		1	AO1 4.6.1.1
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