

GCSE Biology B (Twenty First Century Science)

J257/01 Breadth in Biology (Foundation)

Question Set 12

Multiple Choice Questions

		Blackworms are animals that can reproduce sexually and asexually.	
(a)		Four students discuss blackworm reproduction.	
		Amir There is much more genetic variation, which will be beneficial if their environment changes. James Mia The only variation that the worms would have would be a result of mutations.	
	(i)	Which student gives an advantage of the blackworm reproducing asexually ?	
		Tick (✓) one box.	
		Amir	
		Beth	
		James	
		Mia	
	(ii)	Which student gives a disadvantage of the blackworm reproducing asexually ?	[1]
		Tick (✓) one box.	
		Amir	
		Beth	
		James	
		Mia	[1]
	(iii)	Which student gives an advantage of the blackworm reproducing sexually ?	
		Tick (✓) one box.	
		Amir	
		Beth	
		James	
		Mia	[1]
			1

1.

	(iv)	Which student gives a disadvantage of the blackworm reproducing sexually ?	
		Tick (✓) one box.	
(b)		Amir Beth James Mia When blackworms reproduce asexually they split into two pieces. The pieces grow a newhead and a new tail.	[1]
		What type of cells must be present to allow the pieces to do this?	
		Tick (✓) one box.	
		Differentiated cells Gamete cells Meristem cells Unspecialised cells	
(c)		Earthworms are a different type of worm. They are classified into a different group.	[1]
		What sources of evidence do scientists use to classify species into different groups?	
		Tick (✓) two boxes.	
		DNA	
		Physical similarities and differences	
		Their age	
		What they feed on	
		Where they are found	[2]

Total Marks for Question Set 12: 7



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