

1. Characteristics and classification of living organisms

1.1 Characteristics of living organism

Paper 3 and 4

Marking scheme

Q1.

(d)	sensitivity ; excretion ; growth ;	3	
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Q2.

(c)	growing ticked ; moving ticked ;	2	R each additional tick
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Q3.

(f)	any three from: movement ; respiration ; sensitivity ; growth ; excretion ; reproduction ;	3	
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Q4.

Question	Answer	Marks	Guidance
(a)	excretion ; growth ; sensitivity ; respiration ; reproduction ;	3	

Q5.

(b)	one mark per row:	5																			
	<table border="1"> <thead> <tr> <th>feature</th> <th>animal</th> <th>plant</th> </tr> </thead> <tbody> <tr> <td>can respire</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>can grow</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>can make their own food</td> <td></td> <td>✓</td> </tr> <tr> <td>contain DNA</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>can respond to changes in their environment</td> <td>✓</td> <td>✓</td> </tr> </tbody> </table>	feature	animal	plant	can respire	✓	✓	can grow	✓	✓	can make their own food		✓	contain DNA	✓	✓	can respond to changes in their environment	✓	✓		
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can respire	✓	✓																			
can grow	✓	✓																			
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contain DNA	✓	✓																			
can respond to changes in their environment	✓	✓																			
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Q6.

(b)	movement ; respiration ; sensitivity ; growth ; reproduction ; excretion ; nutrition ;	4	
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Q7.

Question	Answer	Marks	Guidance
(a)	movement ; respiration ; sensitivity ; growth ; nutrition ; excretion ;	2	

Q8.

(c)(i)	permanent ; increase in size ;	2	
(c)(ii)	movement ; respiration ; sensitivity ; reproduction ; nutrition ;	3	

Q9.

(c)	movement AND nutrition ticked ;	1
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Q10.

(a)	(the ability to) detect <u>stimuli</u> (in the internal / external environment) ; to make (appropriate) responses ;	2
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