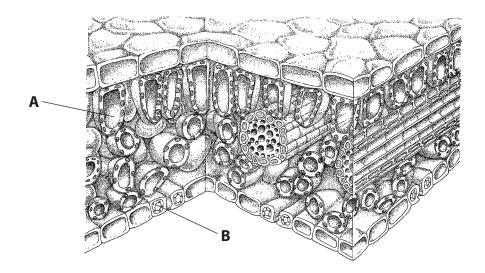
1		mune system responds to infection using white blood cells. A phagocyte is pe of white blood cell.	
	(a) (i)	Draw and label a phagocyte.	(3)
	(ii)	Give one way that the structure of this cell differs from a red blood cell.	(1)
	(b) De	escribe how white blood cells are used by the body to defend against infection.	(5)
		(Total for Question - 9 marks	

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2 (a) The diagram shows a section through a leaf.

(i) Name the structures labelled **A** and **B**.



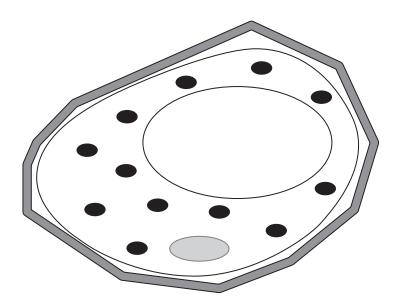
Α			(2)						
В									
	(ii)	Give the function of the waxy cuticle.	(1)						
	(iii)	iii) Some of the leaf cells carry out photosynthesis. Write a word equation for the process.							
			(2)						
	(iv)	Plants, like all living organisms, need to excrete waste products. Explain how the excretory product of photosynthesis is removed from the leaf.							
			(2)						

(b	o) Some plants lose their leaves in cooler months. This can be described as an excretory mechanism. Suggest two other reasons why some plants lose their leaves in cooler months.						
	leaves in cooler months.	(2)					
1							
1							
2							
(c) Name one excretory organ in humans and name the substance it excretes.						
		(2)					
orgar	າ						
subst	ance						
(Total for Question = 11 ma							

descriptions.		(4)
Characteristic	Description	
nutrition		
	releasing energy in cells	
	producing offspring	
growth and development		
State two ways in which (i) a typical plant cell differs from a t	ypical animal cell	(2)
	ypical animal cell	(2)
	ypical animal cell	(2)
(i) a typical plant cell differs from a t	ypical animal cell	
(i) a typical plant cell differs from a t		
(ii) a typical plant cell differs from a t		
(ii) a typical plant cell differs from a t		
(i) a typical plant cell differs from a t		

- **4** (a) The diagram shows a plant cell drawn by a student.
 - (i) Label the diagram to show the selectively permeable membrane.

(1)

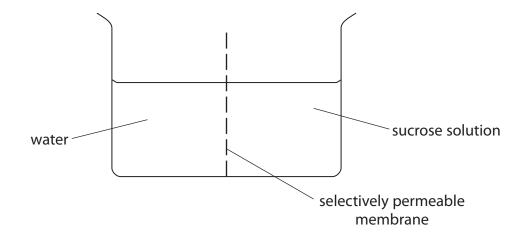


(ii) Name three parts of a typical plant cell that are not found in an animal cell.

(3)

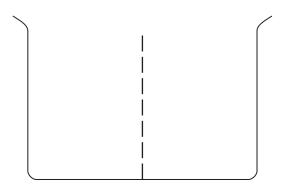
1	 									
2										
2	 									
3	 									

(b) The diagram shows a glass container divided in half by a selectively permeable membrane. One half contains water and the other half contains sucrose solution.



(i) Complete the diagram below to show the change to the level of the water and the level of the sucrose solution after one hour.

(1)



(ii) Name the process that causes the change in the level of the water and the level of the sucrose solution.

(1)

(Total for Question = 6 marks)