

Q.	Answer	Mark	Additional Guidance
(b) (i)	<i>explanation:</i> plants need plenty of space if they are to develop proper roots which can absorb enough water and mineral nutrients for growth	2	in this question, alternative answers are possible credit all appropriate responses
	<i>recommendation:</i> grow the plants in much bigger pots	1	
	(ii) <i>explanation:</i> tomato plants need full sunlight if they are to photosynthesise properly	2	
	<i>recommendation:</i> move the pots into a sunny part of the garden	1	
	(iii) <i>explanation:</i> tomato plants need water if they are to photosynthesise and grow properly	2	
	<i>recommendation:</i> water the plants twice a week	1	
(c) (i)	nitrate is needed to make chlorophyll which is essential for photosynthesis growth of the plant will be poor, the leaves will be yellow and there will be no fruit made	2	two ideas for 2 marks
	(ii) the solution leaves the soil and enters the root through the root hairs it travels across the root and up the stem it eventually reaches the leaves	4	