



EXAM PAPERS PRACTICE

| Question Number | Answer | Acceptable answers | Mark |
|-----------------|--------|--------------------|------------|
| 1(a)(i) | B | | (1) |

| Question Number | Answer | Acceptable answers | Mark |
|-----------------|--|--|------------|
| 1(a)(ii) | Any two from the following: <ul style="list-style-type: none">• diffusion (1)• from an area of high concentration to an area of low concentration/down a concentration gradient (1)• through stoma / stomata (1) | Accept pores / between guard cells Ignore through guard cells | (2) |

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|------------------|---|---|------------|
| 1(a)(iii) | Any three from the following: <ul style="list-style-type: none">• (by) photosynthesis (1)• ref to chloroplast / chlorophyll (1)• requires carbon dioxide and water (1)• light (energy) needed (for photosynthesis)(1)• (to produce) glucose (1) | Ignore incorrect balancing of equations throughout Reject (and) respiration Accept if written on arrow in word / formula equation Accept correct formulae word / formula equation Accept if written on arrow in word / formula equation Reject energy is created / produced Accept sugar from word / formula equation | (3) |



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|-----------------|---|--|------------|
| 1(b) | water _____ osmosis (1) | 3 lines, 1 correct = 0 mark 3 lines, 2 correct = 1 mark 4 lines, 1 correct = 0 mark 4 lines, 2 correct = 0 mark | |
| | mineral ions \\ active transport (1) | | (2) |

(Total for question 2 = 8 marks)



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| Question Number | Answer | Acceptable answers | Mark |
|-----------------|---|---|------------|
| 2(a)(i) | 3 (\div 20) (X100) (1) 15 (%) | Accept 3 \div 13 Full marks for correct bald answer | (2) |

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|-----------------|---|--|------------|
| 2(a)(ii) | Any two of the following: can photosynthesise more (1) higher light intensity / more light (1) more water / rain (1) warmer (1) more mineral ions / nutrients(1) | accept: reverse argument for woodland Accept: more competition from trees (for water / mineral ions) (1) bigger leaves (1) less flowers eaten (1) different genes (1) | (2) |

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|-----------------|------------------|--------------------|------------|
| 2(b)(i) | A stomata | | (1) |

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| 2(b)(ii) | diffusion / diffusing / | Accept description of diffusion eg carbon dioxide molecules move from an area of high concentration to an area of low concentration accept diffuse | (1) |



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| 2(b)(iii) | <ul style="list-style-type: none">• guard cells change shape / (guard cells) close stomata /guard cells close (1)• to reduce water loss /rate of transpiration reduced (1) | accept stop water loss / keep water in Ignore get more water | (2) |

Total for Question 1 = 8 marks