

AQA, OCR, Edexcel

A Level

A Level Biology

Photosynthesis 3 Answers

Name:

M M E

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Total Marks: /17

Answer	Marks
<p>1.</p> <p>a)</p> <p>i) ATP + Reduced NADP</p> <p>ii)</p> <p>iii) Fix Carbon to RuBp</p>	<p>2 marks</p> <p>4 marks</p> <p>2 marks</p> <p>1 mark</p>

<p>iv) One in every six molecules</p> <p>c)</p> <p>i) diffuses in from the environment</p>	<p>1 mark</p> <p>1 mark</p>
<p>2.</p> <p>a)</p> <p>i) Single factor that when it is too high or low will limit the rate of the reaction</p> <p>b)</p> <p>i) Light dependent reaction cannot occur as light is not reaching the primary pigment/light is the wrong wavelength</p> <p>ii) The stomata start to close</p> <p>iii) – allows them to create an environment with optimum conditions -Increases growth which increases yield.</p> <p>iv)</p> <p>Conc of CO₂ – burning propane Temperature – greenhouse traps air/heaters/coolers/air circulation systems Light – glass window and lamps</p>	<p>1 mark</p> <p>1 mark</p> <p>1 mark</p> <p>2 marks</p> <p>3 marks</p>