

AQA, OCR, Edexcel

A Level

A Level Biology

Photosynthesis 1 Answers

Name:

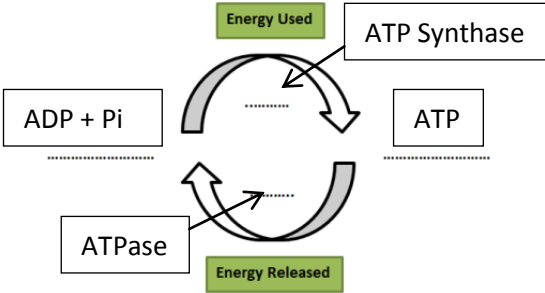
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Mathsmadeeasy.co.uk

Total Marks: /20

Answer	Marks
<p>1.</p> <p>a) i) $6\text{CO}_2 + 6\text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$</p> <p>b) i) A – Ribose sugar B – Adenine C – Inorganic Phosphate</p> <p>ii)</p>  <p>iii) – Small – Easily managed</p> <ul style="list-style-type: none"> - Soluble - Easily transported - Easily broken down/ releases energy quickly <p>c) i) – Allows gases to diffuse more rapidly</p> <p>ii) – thin and flat leaves</p> <ul style="list-style-type: none"> - Large network of xylem & phloem - Waxy cuticle - Many chloroplasts - Many stomata <p>iii) A series of enzyme controlled reactions</p> <p>iv) – NADP</p> <ul style="list-style-type: none"> - Aids enzyme function - Transfers hydrogen from one molecule to another/ involved in redox reactions 	<p>2 marks</p> <p>3 marks</p> <p>4 marks</p> <p>2 marks</p> <p>1 mark</p> <p>4 marks</p> <p>1 mark</p> <p>3 marks</p>