

AQA, OCR, Edexcel

A Level

A Level Biology

Biological Membrane Answers

Name:

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Total Marks: /15

The Liver

Answer	Marks
<p>1.</p> <p>a)</p> <p>i) A - Gall bladder B - Hepatic Vein C - Bile Ducts</p> <p>ii) To bring products from digestion from the small intestine</p> <p>b)</p> <p>i) -Removes glucose from the blood when levels are high through glycogenesis -When blood glucose levels are low the liver breaks down glycogen to release glucose through glycogenolysis - Converts fats and proteins into glucose via gluconeogenesis</p>	<p>3 marks</p> <p>1 mark</p> <p>3 marks</p>
<p>2. a)</p> <p>i)- Nitrogen containing amino groups are removed -This forms ammonia and organic acids -The organic acids are ultimately stored as glycogen -Ammonia reacts with CO₂ to form urea - urea is released in the blood and removed by the kidneys</p> <p>b)</p> <p>i) To make non-essential amino acids by converting one amino acid to another</p> <p>ii) Transferase</p>	<p>5 marks</p> <p>2 marks</p> <p>1 mark</p>