

AQA, OCR, Edexcel

A Level

A Level Biology

Blood Answers

Name:

M M E

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Total Marks: /18

Blood

Answer	Marks
<p>1.</p> <p>a)</p> <p>i) Plasma Red blood cells/ erythrocytes White blood cells Platelets</p> <p>ii) -Biconcave shape to increase surface area -No nucleus - to carry more haemoglobin -Flexible-to squeeze through capillaries</p> <p>b)</p> <p>i) - the hydrostatic pressure is greater in the capillaries at the arteriole end (accept artery end), - and lower at venule/vein end. -Pressure difference forces fluid out of the capillaries into the spaces around the cells.</p> <p>ii) Lymph contains antibodies</p> <p>c)</p> <p>i) - when a blood vessel is damaged thromboplastin is released -this triggers the conversion of prothrombin into thrombin -Thrombin catalyses the conversion of fibrinogen to fibrin -Fibrin fibres form a mesh - mesh traps platelets and red blood cells forming a blood clot</p>	<p>4 marks</p> <p>3 marks</p> <p>3 marks</p> <p>1 mark</p> <p>5 marks</p>

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ii) If a blood clot forms in an artery it can cause a stroke/ myocardial infarction	1 mark
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