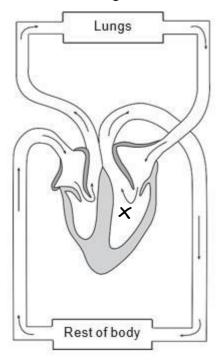


GCSE Biology A (Gateway)

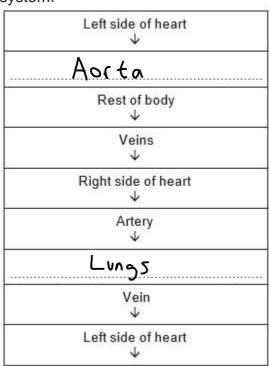
J247/01 B1-B3 and B7 Foundation (Foundation Tier)

Question Set 11

1 Look at the diagram of the human circulatory system.



- (a) (i) Write the letter **X** on the diagram to show the position of the left ventricle.
 - (ii) Complete the sequence to show the flow of blood through the circulatory system.



[1]

(b)	The blood travels through the heart twice on one complete circuit of the body.
	(i) What is the name of this type of circulation?
	Double circulation
	(ii) Suggest two advantages of blood travelling through the heart twice in each complete circuit of the body. 1 Increases plessure of blood 2 Threeases flow (all of blood 121
(c)	How is the thickness of the heart wall on the left side different to the right side? Write down two reasons for the difference.
	The left side is trucker than the right side this is because the left side has to pump [2] this is because the left side. Also the blood further than the right side. Also the thicker muscle helps greate enough pressure thicker muscle helps greate enough pressure for the blood to be pushed all around the body.
(d)	Look at the diagram.
	It shows a section of an artery and a vein.
	Artery Vein
	Describe two differences in structure between the artery and the vein shown in the diagram.
	1. The city has a thicker wall. 2. The city has a narrower lumer. [2]
	2 The artry has a narrower lumer. [2]

(ii) Write down **one** difference between arteries and veins that is **not** shown in the diagram.

veins have valves which are not shown in the diagram.

Total Marks for Question Set 11: 11

[1]



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