

The heart;

Q1.a(2020,4)

Figure 1 shows a diagram of the heart.

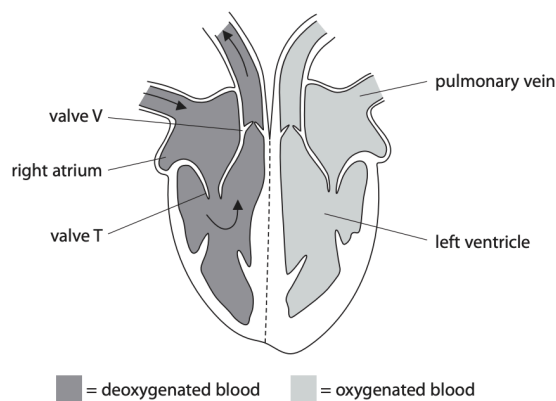


Figure 1

(a) (i) Draw arrows on Figure 1 to show how oxygenated blood moves through the heart. (1)

Q1.a(2020,4)

(ii) What happens when the right ventricle contracts? (1)

- ☐ A valve T opens
- ☐ B valve T closes
- ☐ C blood is forced into the left atrium
- ☐ D blood is forced into the pulmonary vein

Q1.a(2020,4)

(iii) Draw **one** straight line from each structure to its function. (2)

structure	function
pulmonary vein	carries deoxygenated blood
	forces blood towards body organs
	carries blood from the lungs to the heart
left ventricle	takes blood to the right side of the heart
	forces blood towards the lungs

Q2.(2022,4)

Figure 12 shows the structure of the human heart.

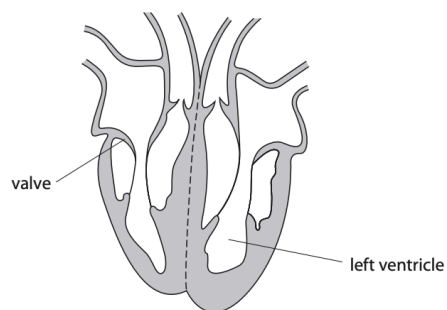


Figure 12

Explain how the structure of the heart is related to its function.

(6)

Q3.a(2023,4)

Figure 4 shows a diagram of the human blood system.

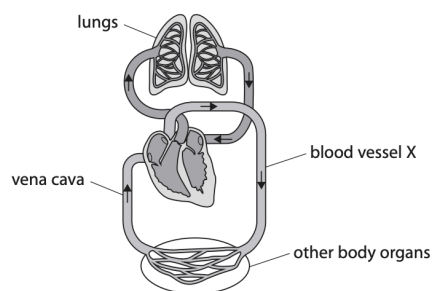


Figure 4

(a) (i) Name blood vessel X.

(1)

Q3.b(2023,4)

Which row of the table shows the width of the wall and blood pressure in blood vessel X?

(1)

	width of wall	blood pressure
☐ A	thick	high
☐ B	thick	low
☐ C	thin	high
☐ D	thin	low

Q4.(2024,4)

The heart pumps blood.

Explain why the wall of the left ventricle of the heart is thicker than the wall of the right ventricle of the heart.

(2)

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