

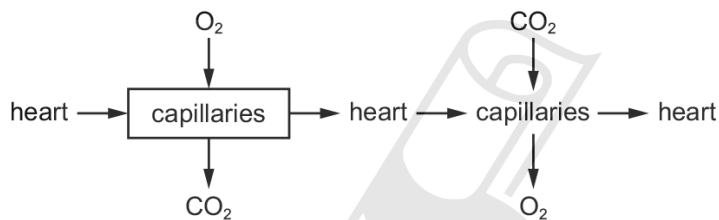
Chapter 9

Transport in animals

9.1 Transport in animals

01. 0610_m21_qp_22 Q: 19

The diagram shows the circulation of blood in an organism.



In which part of the organism is the location of the capillaries in the box?

- A fish body
- B fish gills
- C mammalian lungs
- D mammalian body

02. 0610_s21_qp_22 Q: 20

What is the sequence of organs that blood passes through during one circulation of the body of a fish?

- A muscle → heart → gill → muscle
- B muscle → gill → heart → muscle
- C muscle → heart → gill → heart → muscle
- D muscle → gill → heart → gill → muscle

03. 0610_m20_qp_22 Q: 19

Mammals have a double circulation.

Which shows the correct sequence for the movement of blood in a mammal?

- A body → heart → lungs → heart
- B body → lungs → body → heart
- C heart → lungs → body → heart
- D heart → body → lungs → heart

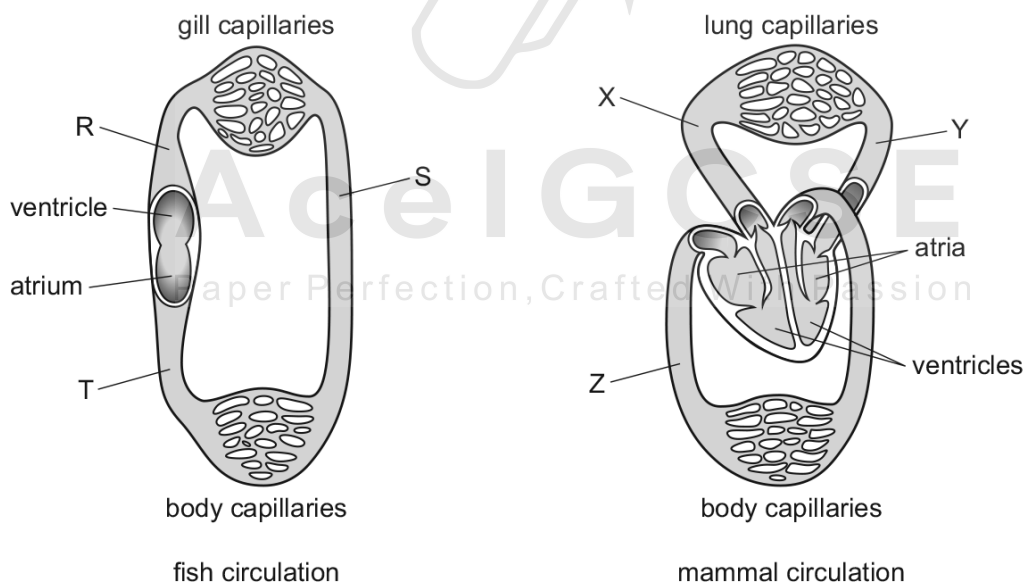
04. 0610_s20_qp_21 Q: 17

Which pathway is taken by blood in a fish?

- A gills → heart → body → gills
- B body → gills → heart → body
- C heart → gills → body → heart
- D heart → body → gills → body

05. 0610_s20_qp_22 Q: 17

The diagrams show the single circulation of a fish and the double circulation of a mammal.



Which letters represent areas of oxygenated blood?

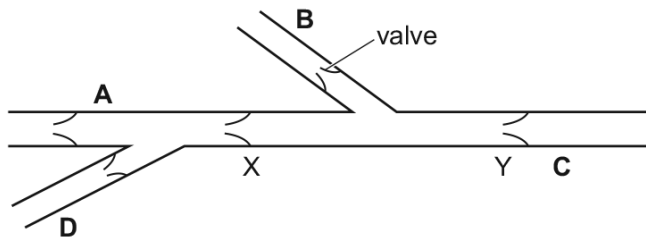
- A R and X
- B S and Y
- C T and Y
- D T and Z

9.1. TRANSPORT IN ANIMALS

06. 0610_s20_qp_23 Q: 17

The diagram shows some veins in the human arm and the valves that they contain.

If blood is squeezed out of section X–Y, where should pressure be placed on a vein to stop blood flowing into this section again?



07. 0610_w20_qp_23 Q: 17

In a mammal, what ensures the blood flows one-way round the circulatory system?

- A brain
- B capillaries
- C lungs
- D valves

08. 0610_m18_qp_22 Q: 14

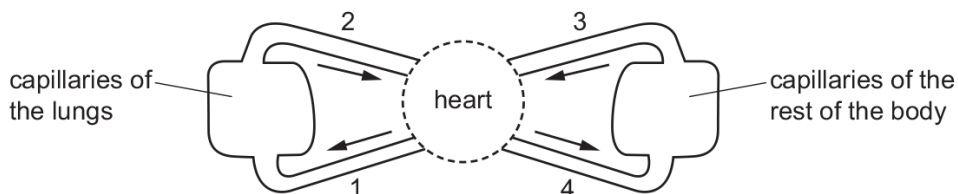
What is an advantage of a double circulatory system in mammals?

- A Blood can flow down the body on the left and up the body on the right.
- B Blood can flow more slowly along the circulatory system.
- C Blood pressure stays the same throughout the circulatory system.
- D Oxygenated and deoxygenated blood are kept separate.

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09. 0610_w18_qp_21 Q: 17

The diagram shows a circulatory system.



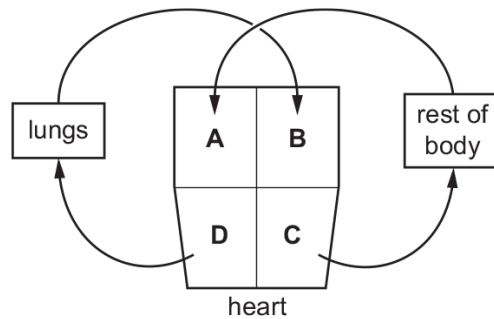
Which vessels carry oxygenated blood?

- A 1 and 2
- B 1 and 4
- C 2 and 3
- D 2 and 4

10. 0610_w17_qp_23 Q: 17

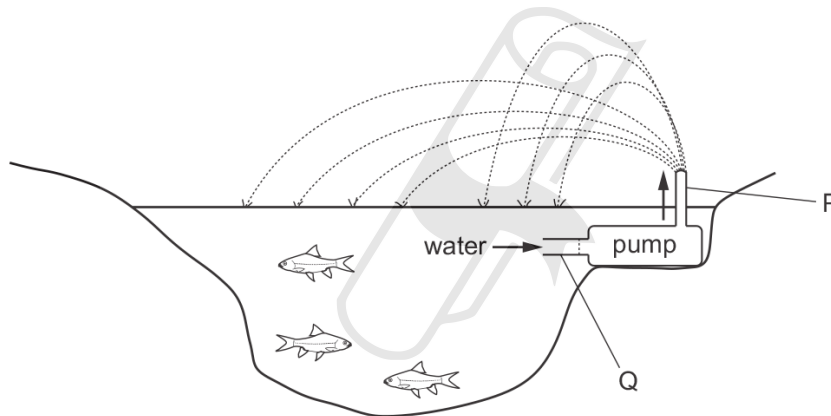
The diagram represents the circulatory system of a mammal.

In which chamber of the heart are the muscle walls thickest?



11. 0610_w16_qp_21 Q: 18

The diagram shows a garden pond with a fountain worked by a pump. The fountain brings oxygen from the air to fish in the pond.



The system can be compared with part of the human circulatory system. The pump is compared with the heart.

What are P and Q compared with?

	P	Q
A	aorta	pulmonary artery
B	pulmonary artery	vena cava
C	pulmonary vein	vena cava
D	vena cava	aorta

SN	Paper	Q. No.	Answer
01	0610_m21_qp_22	19	C
02	0610_s21_qp_22	20	A
03	0610_m20_qp_22	19	A
04	0610_s20_qp_21	17	C
05	0610_s20_qp_22	17	B
06	0610_s20_qp_23	17	C
07	0610_w20_qp_23	17	D
08	0610_m18_qp_22	14	D
09	0610_w18_qp_21	17	D
10	0610_w17_qp_23	17	C
11	0610_w16_qp_21	18	B



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