



## Question 1 page 122

**Q1.**

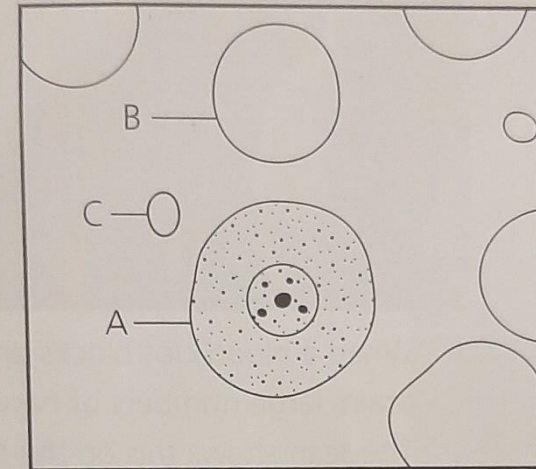
**a. C**

**b. A**

**c. B**

# 9.6

1 The diagram shows three of the components of blood.



Give the letter of the component that has each of these functions:

- a** aids blood clot formation
- b** helps to destroy micro-organisms
- c** carries oxygen.

## Questions 2&3 page 122

**Q2.**

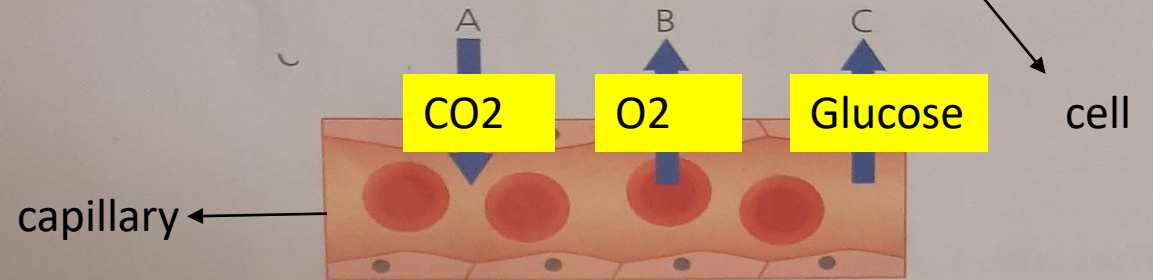
**a. C**

**b. A**

**Q3. A : Oxygen**

**B: Glucose**

**2** The arrows show substances entering and leaving a capillary in a muscle.

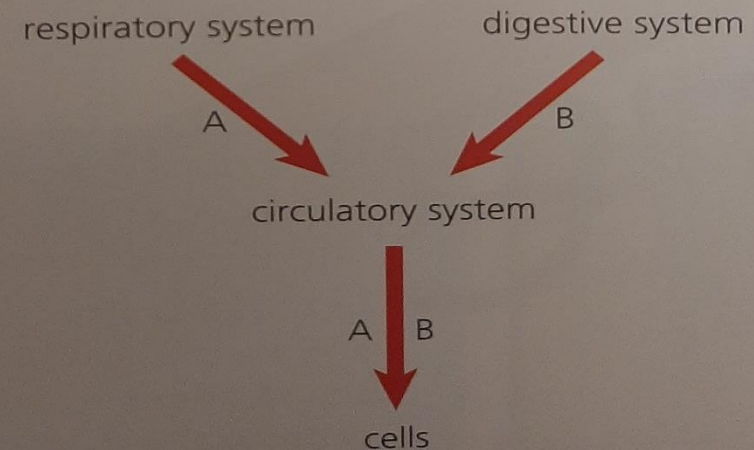


Give the letter of the arrow that shows the direction in which each of the following move:

**a** glucose [1]

**b** carbon dioxide. [1]

**3** Three systems work together to deliver essential supplies to cells.



Name substances A and B.

[2]



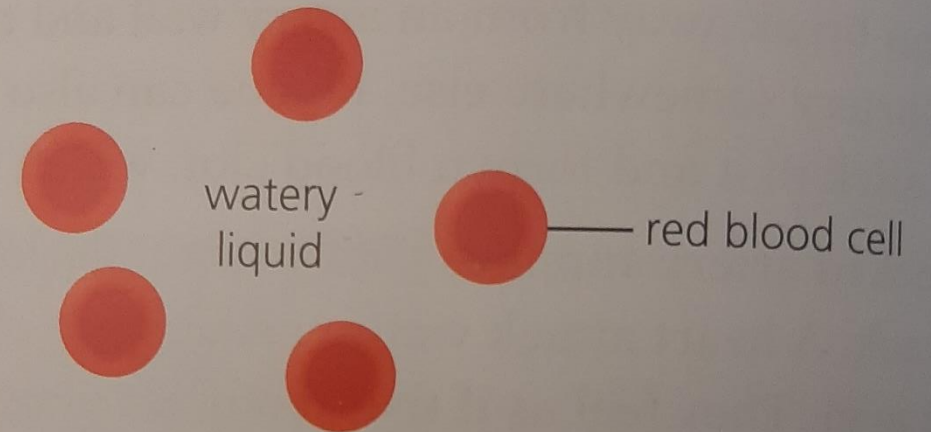
## Question 4 page 122

**Q4.**

**a. Plasma**

**b. Nutrients , CO<sub>2</sub>, Urea .**

**4** Blood cells are suspended in a watery liquid.



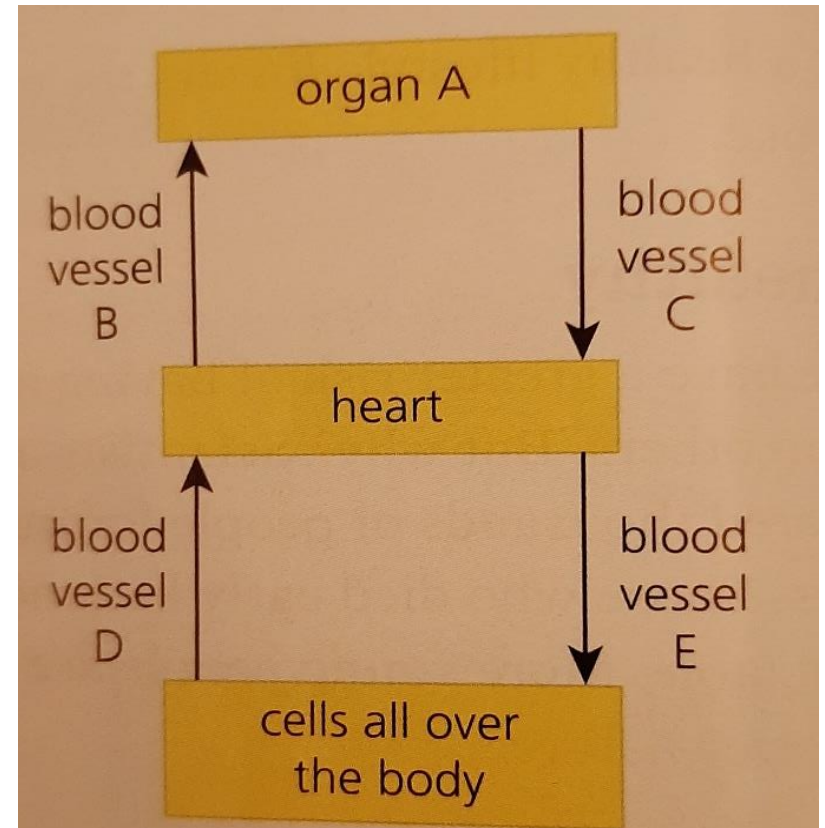
**a** Name the watery liquid.

**b** Name two substances carried in the watery liquid.

Review question 5 page 122:

Q.5 The diagram shows how blood circulates around the body .

- a. Name organ A .....Lungs.....
- b. Give the letters of the two arrows that represent veins .....C and D.....



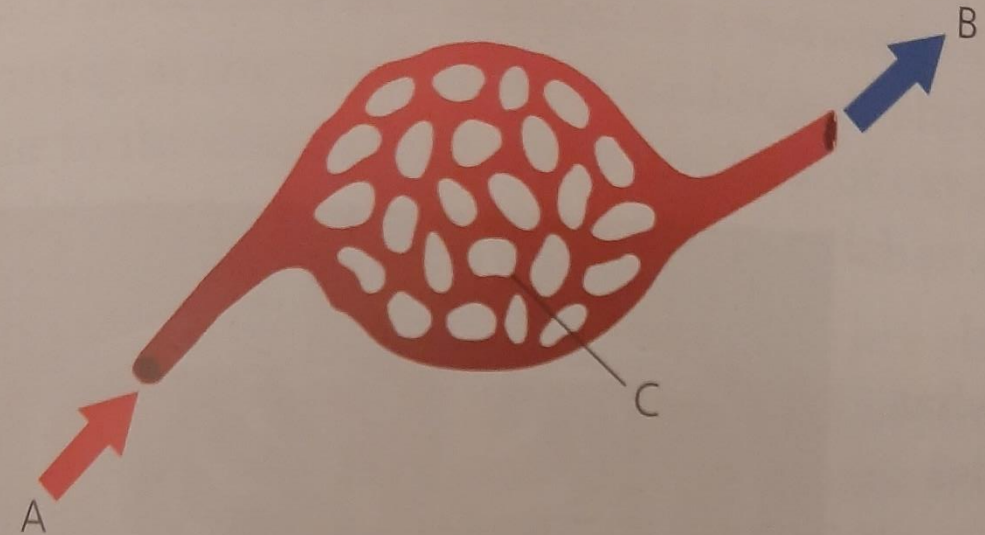
## Question 7 page 123

a. Artery

b. B

c. C , to allow the diffusion of gases and glucose .

7 The diagram shows some capillaries.



- a Where has the blood in A come from? [1]
- b Which blood vessel contains most carbon dioxide, A, B, or C? [1]
- c Which blood vessel has the thinnest walls? Explain why. [2]

*Review question 9 page 123 :*

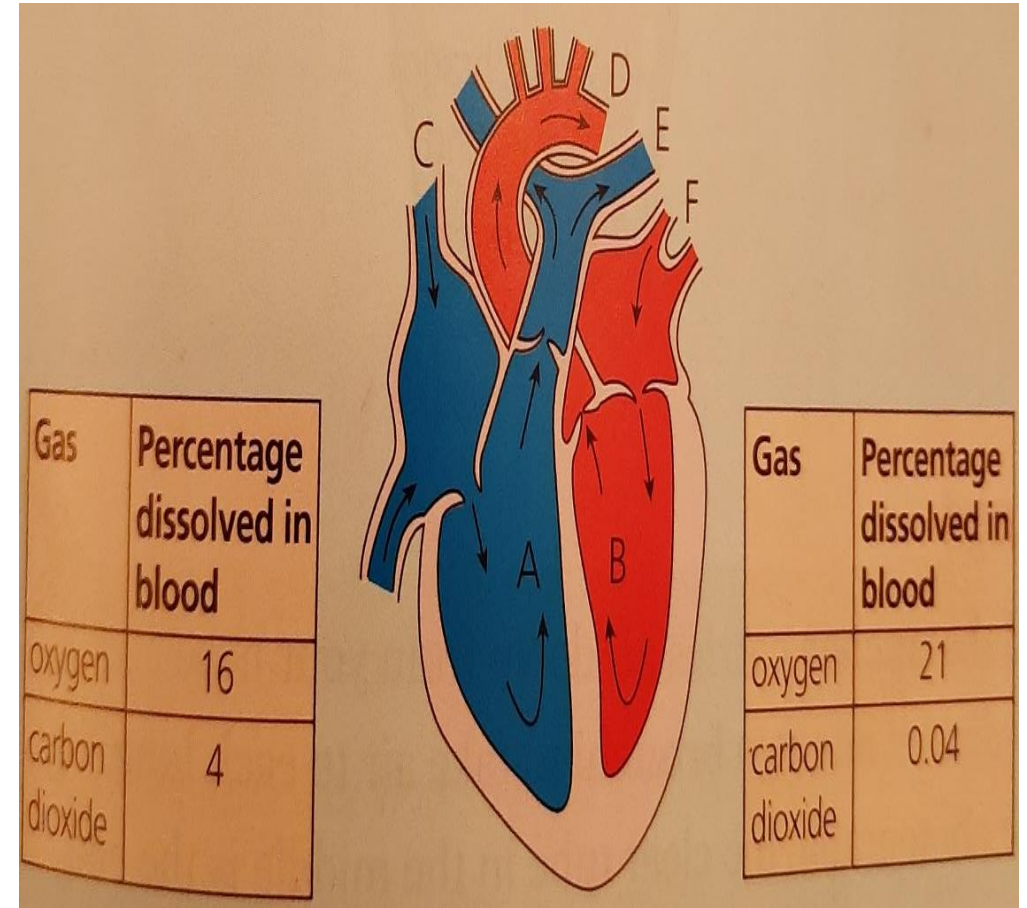
Q9. The tables show the amounts of oxygen and carbon dioxide in blood from sides A and B of the heart .

a. Which side of the heart pumps blood to the lungs ?

.....**A**.....

b. Which two letters show arteries ?

.....**D and E**.....



*Review question 11 page 123*

Q11. The diagram shows blood entering and leaving the heart .

a. **The Blood in vein D has the highest oxygen concentration . Explain why**

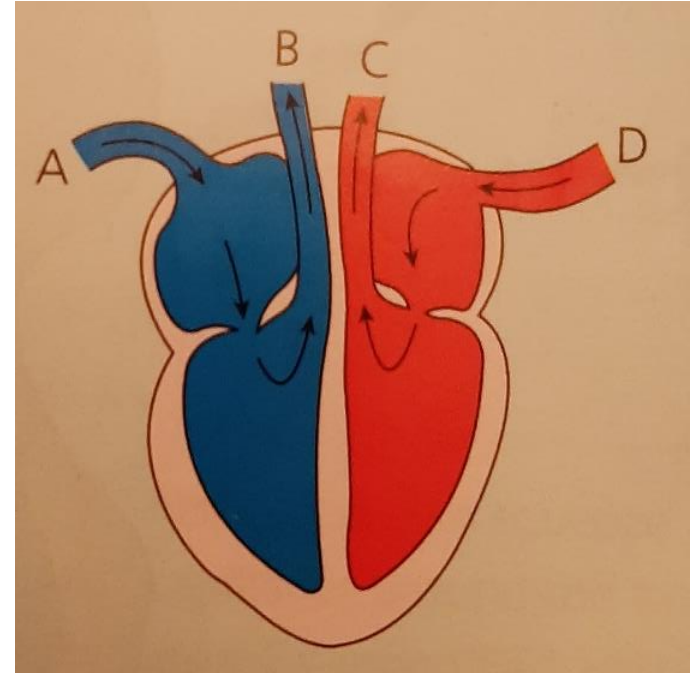
*It has just come from the lungs, where it picked up oxygen.*

b. **Which artery carries blood with a low oxygen concentration .**

*.....B.....*

c. **Which artery takes blood to your arms and legs ?**

*...C.....*



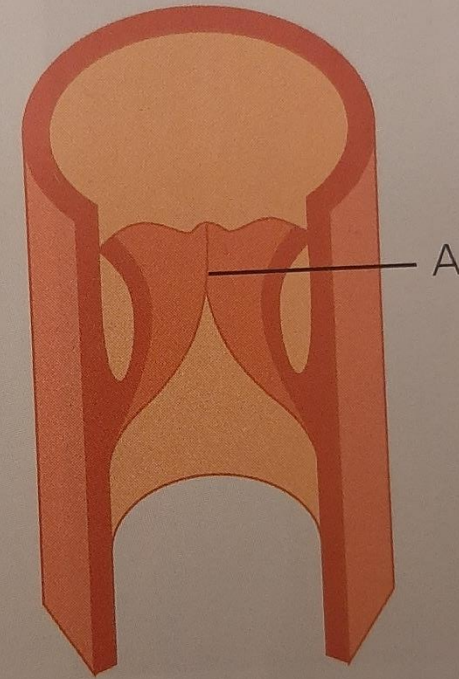


## Question 12 page 123

a. **Valve.**

b. **To prevent the backflow of blood .**

12 This diagram shows part of a vein.



- Name structure A.
- Describe what structure A does.