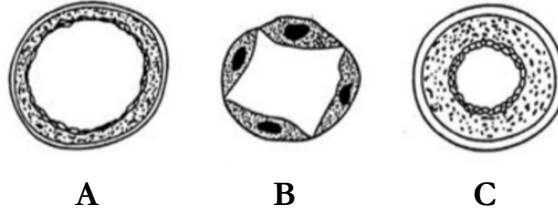




Blood Vessels

1 State which type of vessel each of the images corresponds to, and state that vessels function



Arteries -
Capillaries -
Veins -

[6 marks]

2 Which vessel has valves, and what is the role of a valve?

.....
.....
.....

[2 marks]

3 The blood in arteries flows under high pressure. Explain how are arteries adapted to their function

.....
.....
.....

[2 marks]

4 Explain how capillaries are adapted to their function of exchanging nutrients with the tissues

.....
.....
.....

[2 marks]

- 5 Sheba ran a 1500m race, which took her 6 minute 30 seconds. During that time, 2860ml of blood passed through her vena cava into her right atrium. Calculate her rate of blood flow during the race.

Rate of blood flow = ml/min

[3 marks]

[Total 15 marks]