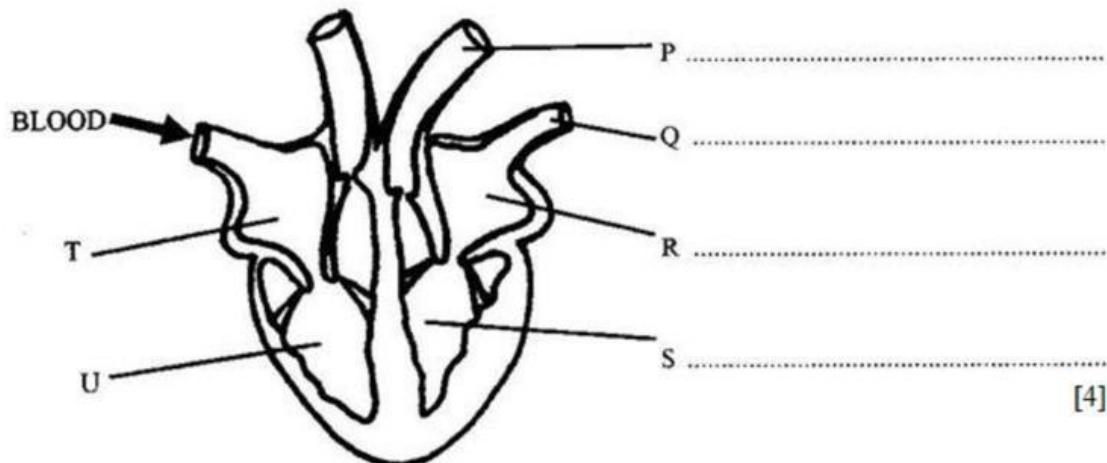


1. The diagram below represents the human heart seen from the front and cut in half.



a. Write the names of the part of the diagram labelled, P, Q, R and S.

b. The heart is an organ that is part of an important system of the body. What is the name of this system?  
[1]

c. When the part of the human heart labelled T fills with blood, from where does this blood come?  
[1]

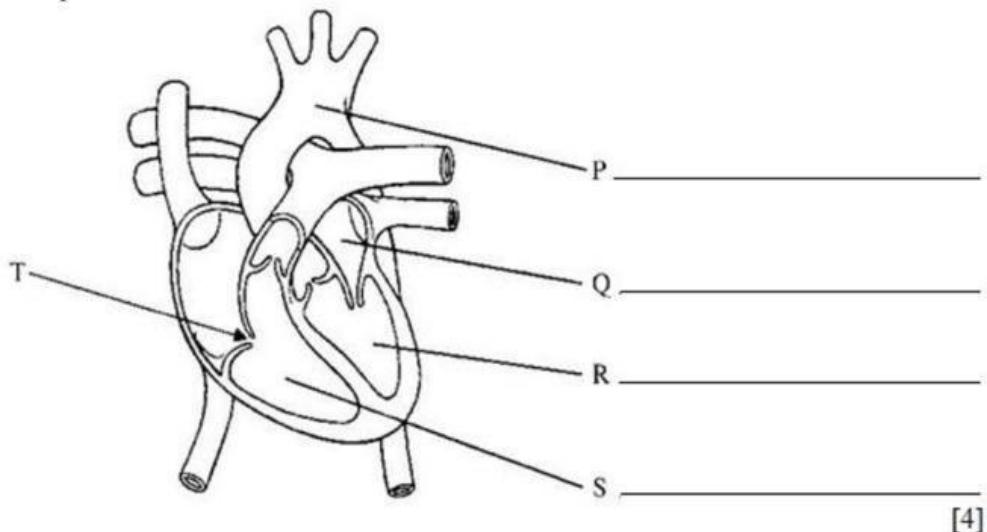
d. When the part of the heart labelled U fills with blood and then contracts, to where does the blood go?  
[1]

e. If a person's average heart rate is 68 beats per minute, what would be the average heart beat in  
i. One hour? \_\_\_\_\_  
ii. Two days? \_\_\_\_\_ [2]

f. Name one chamber of the heart that normally contains oxygenated blood.  
[1]

**TOTAL MARKS [10]**

1. This diagram represents the human heart, seen from the front and cut in half.



a. Write the names of the parts of the diagram labelled P, Q, R, and S.

b. What is the function of the part labelled T on the diagram? \_\_\_\_\_

[1]

c. Describe one way that the blood in R is different from the blood in S.

\_\_\_\_\_ [1]

d. The heart pumps both oxygenated and deoxygenated blood.

i. Where does the blood become oxygenated? \_\_\_\_\_

ii. Where does the blood become deoxygenated? \_\_\_\_\_

[2]

e. (i) What kind of blood vessels carry blood away from the heart? \_\_\_\_\_

(ii) What kind of blood vessel carry blood to the heart? \_\_\_\_\_ [2]

**TOTAL MARKS [10]**