

1. Define Double circulation. Describe with a neat schematic diagram.

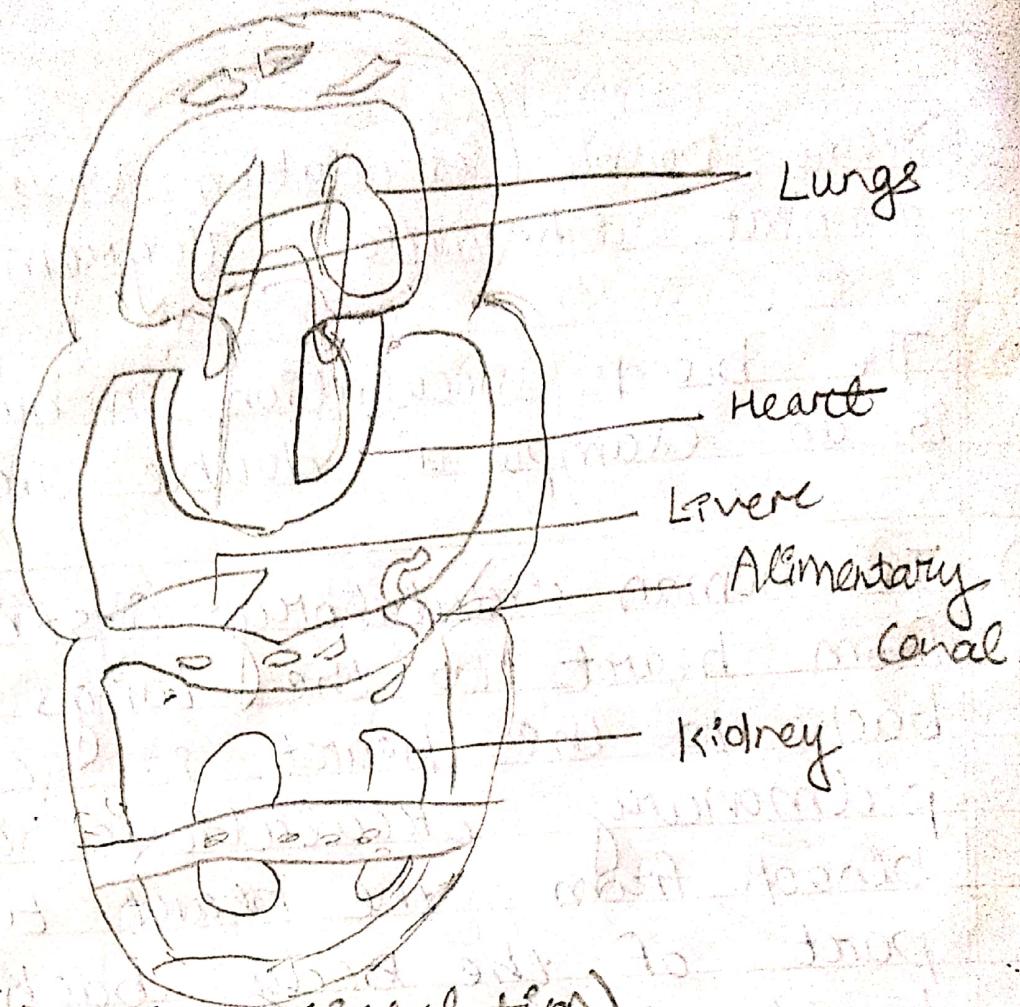
Ans → The blood circulation in human beings is an example of double circulation.

(ii) In human circulatory system the blood from heart to the lungs and back to the heart is called pulmonary circulation and the blood from the heart to the rest part of the body back to the heart is called systemic circulation. This two types of circulation take together make double circulation.

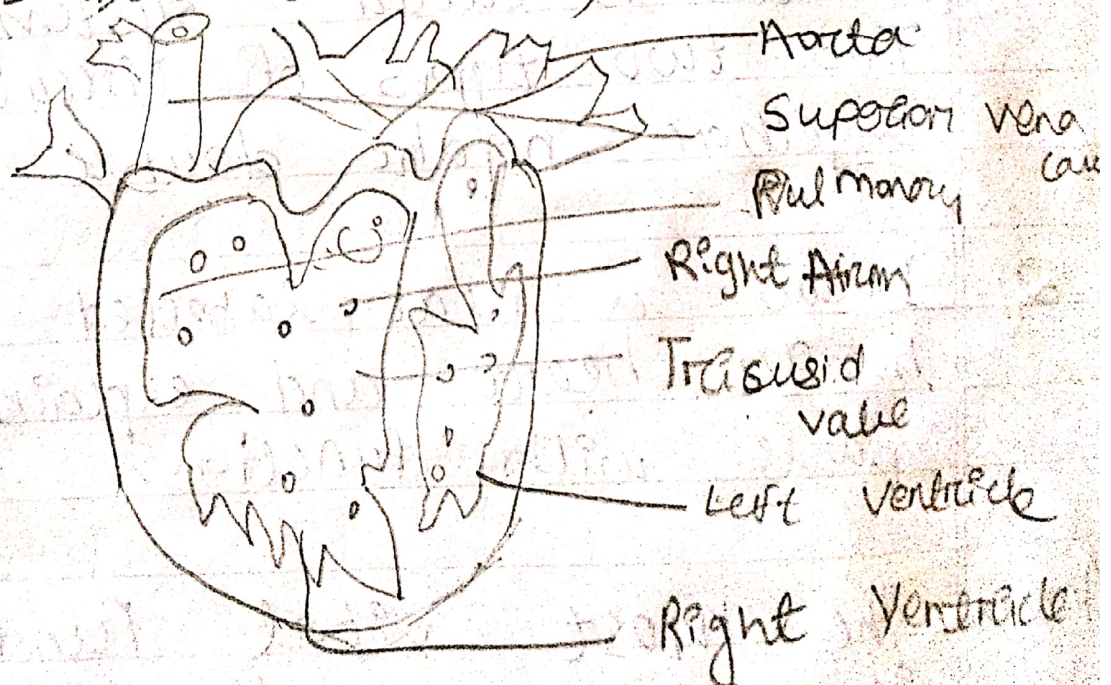
2. Draw a neat labelled diagram of human heart and explain the different parts with function.

Ans → The most vital function of heart is heart beats which takes place all the time throughout one's life.





(Double Circulation)



(The Human Heart)



Some of the main functions of the heart are ↓

- (i) Pumping oxygenated blood to the other body parts
- (ii) Pumping hormones and other vital substances to different parts of the body.
- (iii) Receiving deoxygenated blood and carrying metabolic waste products from the body and pumping it to the lungs for oxygenation.
- (iv) Maintaining blood pressure.

P.T.O