

Ch-6

Circulatory System

Q1 - What do you understand by the term Circulatory System?

Ans - Circulatory system comprises of heart, blood and blood vessels in which there is continuous flow of blood throughout the body.

Q2 - How is the C.S. helpful?

Ans - Circulatory ~~system~~ System helps in transport of nutrients, oxygen ~~and~~, Carbon dioxide, etc.

Q3- Name three principle fluids of that are circulating in our body.

Ans → Blood
→ ~~Blood~~ Tissue fluid
→ ~~Lymph~~ Lymph

Q4- Define closed C.S. (Vascular system).

Ans - A system in which the blood is always flowing within the blood vessels and heart is called closed C.S.

Eg - Human Beings (^{Sapient} Homo Sapiens Sapiens)

Q5- Define Open C.S.

Ans - A system in which the blood flows freely through open spaces and does not

require blood vessels.

Eg. Insects.

- Name three kinds of blood vessels.

→ Arteries

→ Veins

→ Capillaries

What is the thinnest blood vessel called?

Capillary.

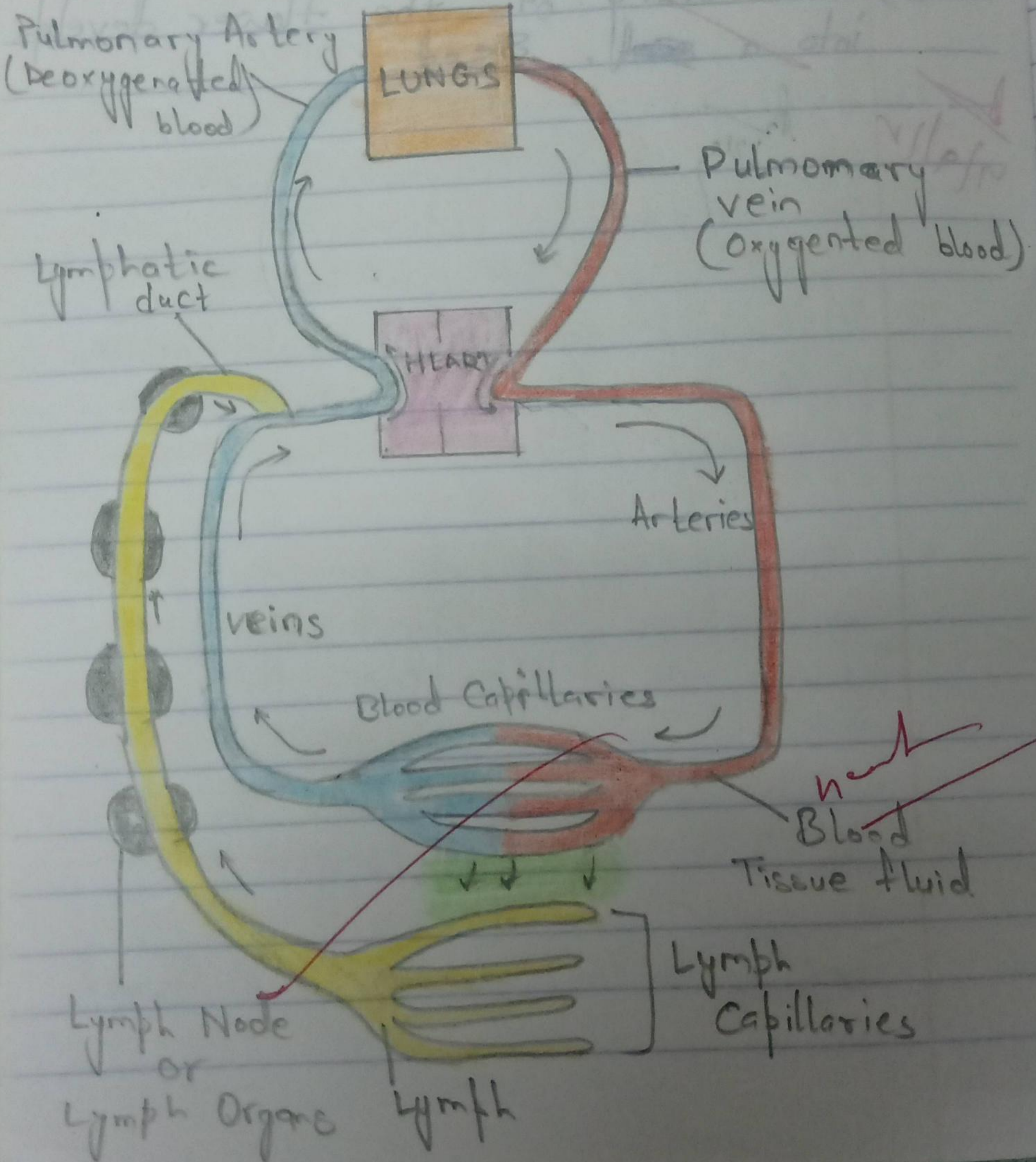
What is the function of heart?

The main function of heart is to receive and pump the blood.

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H.W

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Arteries

- i) Carry blood from heart to the body parts.
- ii) Carry oxygenated blood except (Pulmonary ~~artery~~ artery)
- iii) Blood flows with high speed.
- iv) Valves are absent.

Veins

- i) Carry blood from the body parts to the heart.
- ii) Carry ~~Carries~~ deoxygenated blood except (Pulmonary veins)
- iii) Blood flows with low speed.
- iv) ~~Valves~~ Valves are present to prevent back flow of the blood.