

Tender Heart High School, Chandigarh
Chapter - 1 The Circulatory System.
Teacher: Nimrita

Class - V

Good Morning Children! This lesson is for Class - V, Subject: Science, Chapter - 1 The Circulatory System of your textbook 'New Trends in Science', Evergreen Publication. In this chapter, we will study about 'The Circulatory System'. It is being submitted to you on

Circulation:-

The system which helps in transporting nutrients and other substances from one part of body to the other part of body is known as circulatory system.

Components of circulatory system:-

- a) Blood
- b) Blood vessels
- c) Heart.

A Blood:-

The red coloured liquid which transports nutrients to all parts of body is known as blood.

B Blood vessels:-

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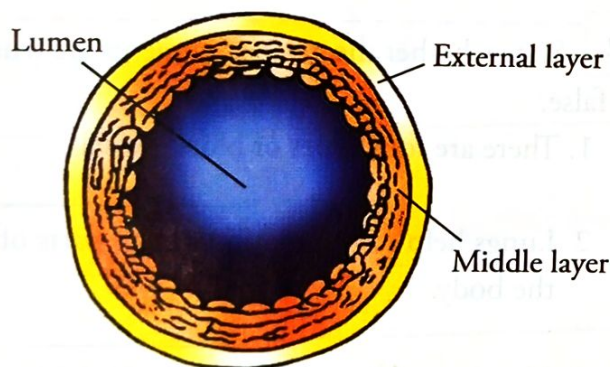
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1.) Arteries :-

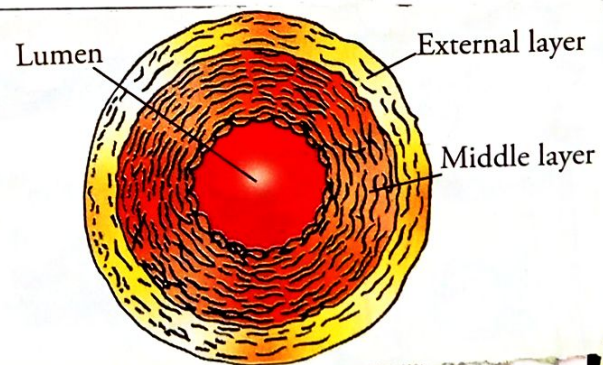
- These are deep seated, have thick walls and carry oxygenated blood to whole of the body.

2.) Veins :-

These are superficial, have thin walls and carry deoxygenated blood to whole of the body.

3.) Capillaries :- These blood vessels are very thin and are present at the junction of an artery and a vein.

1) Vein



2) Artery

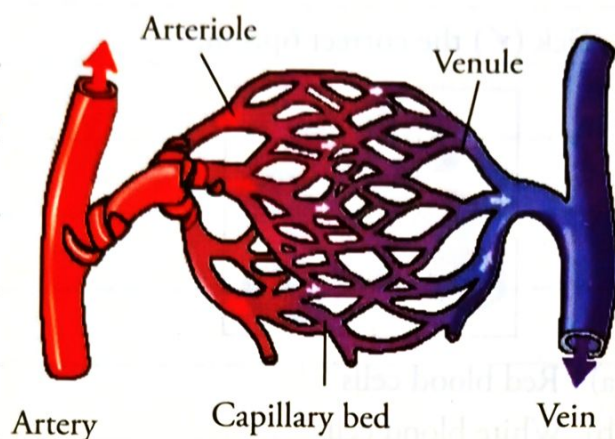
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Capillary

Heart :-

It is the reddish brown organ located between the two lungs. It is the size of a human closed fist.

Structure and working of heart.

Heart has four chambers, two auricles and two ventricles.

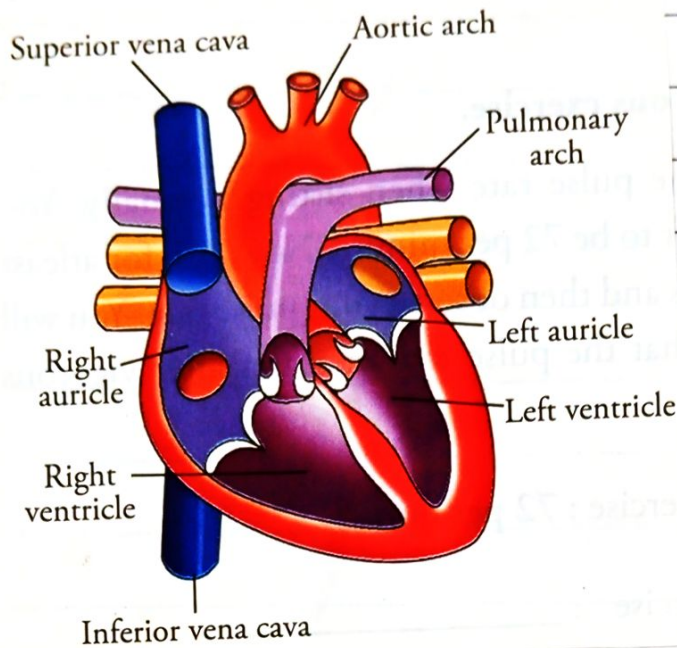
Oxygenated blood from lungs is poured into left auricle and then left ventricle, and then pumped to whole body.

Impure blood from right auricle goes to right ventricle and then to lungs. This cycle repeats itself.

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Human Heart

Double Circulation:-

The blood has to pass twice through the heart. This is known as double circulation.

I am ending today's topic.
Kindly read Lesson-1!

Thank you.