

sanjiv batch



CHAPTER-THE CIRCULATORY SYSTEM

BATCH-2025-2026

INTRODUCTION

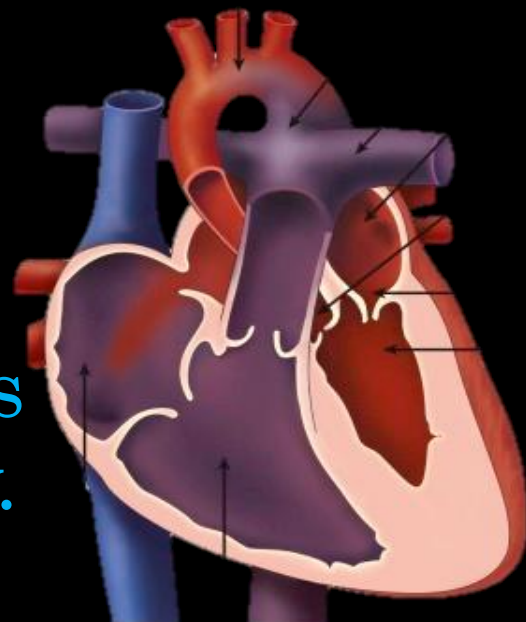
We know that a group of organs that work together to carry out the same function is known as an organ system . Each part of our body needs oxygen, food and water to grow and repair itself. The food and water that we take in and the oxygen we breathe in have to be sent to all body parts. The organ system that transports oxygen, digested and water throughout our body is called the circulatory system. This system also collects wastes from all parts of our body. Let us learn about this system in detail.

THE HUMAN CIRCULATORY SYSTEM

The heart, blood and blood vessels make up the circulatory system in our body.

HEART

The heart lies between our lungs, slightly towards the left side of the chest. It is about the size of our fist . Structure of the heart: The human heart consists of four chambers. The two upper chambers are called auricles and the two lower chambers are called ventricles.. There are valves between the upper and the lower chambers. These valves allow the blood to flow in one direction only. Function of the heart: The heart is a strong muscular organ. It is like a pumping machine. It contracts and relaxes continuously to pump blood to all parts of our body.



BLOOD

A microscopic view of a blood vessel, showing a bright, circular opening at the top and several red blood cells (erythrocytes) in the foreground. The red blood cells are biconcave discs, appearing as red spheres with a darker center. The background is dark and textured, representing the vessel wall.

Blood is a red liquid that flows in blood vessels. Blood carries oxygen to all parts of our body and collects carbon dioxide and other wastes from them. It also carries digested food (nutrients) to all parts of our body.

THANK YOU

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