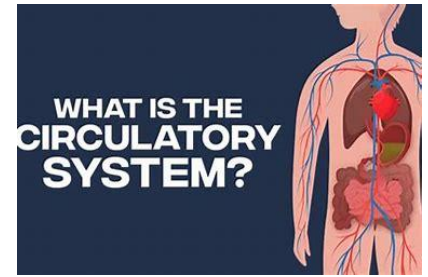


CIRCULATORY SYSTEM



CIRCULATORY SYSTEM

The circulatory system is one of the most important systems in the human body. It works to transport blood, oxygen, and nutrients to every part of the body. Let us explore how it works and its key parts.

WHAT IS THE CIRCULATORY SYSTEM?

The circulatory system is like a transportation network inside the body. It is made up of the heart, blood, and blood vessels. This system moves blood around the body, delivering oxygen and nutrients to the cells and removing waste products.

THE HEART

The heart is a powerful muscle that pumps blood. It is about the size of your fist and is located slightly to the left of the centre of your chest. The heart has four chambers:

1. The right atrium
2. The right ventricle
3. The left atrium
4. The left ventricle

The heart beats to push blood through the body. It pumps oxygen-rich blood to the body and oxygen-poor blood to the lungs.

BLOOD

Blood is a liquid that flows through the blood vessels. It has four main components:

1. **Red blood cells** – They carry oxygen from the lungs to the rest of the body.
2. **White blood cells** – They fight germs and protect the body from infection.
3. **Platelets** – They help form clots to stop bleeding when you get a cut.
4. **Plasma** – This is the liquid part of blood that carries nutrients, hormones, and waste products.

HOW DOES THE CIRCULATORY SYSTEM WORK?

The circulatory system works in a continuous loop. Here is how it happens:

1. The heart pumps oxygen-poor blood to the lungs.
2. The lungs add oxygen to the blood and remove carbon dioxide.



3. The oxygen-rich blood travels back to the heart.
4. The heart pumps this oxygen-rich blood to the rest of the body.
5. The blood delivers oxygen and nutrients to the cells and collects waste.
6. The oxygen-poor blood returns to the heart, and the cycle begins again.

WHY IS THE CIRCULATORY SYSTEM SO IMPORTANT?

The circulatory system is essential for life. It ensures that every part of your body gets the oxygen and nutrients it needs to work properly. It also helps fight infections, heal wounds, and remove waste from the body.

The circulatory system is truly amazing and keeps your body alive and healthy. By eating well, staying active, and drinking plenty of water, you can help your circulatory system stay strong.

FIND OUT MORE...

[Circulatory System Year 6 - BBC Bitesize](#)

EXAMPLE QUESTIONS:

1. What are the main parts of the circulatory system, and what do they do?
2. Describe the four chambers of the heart and explain their roles.
3. What are the four main components of blood, and what is the function of each?
4. Explain how blood vessels work and name the three types.
5. Why is the circulatory system important for the body, and how can you keep it healthy?