

1. THE CIRCULATORY SYSTEM

FUNCTION

The **circulatory system** takes blood to all parts of our body.

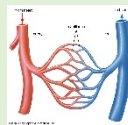


PARTS

The **circulatory system** is made up of the **heart**



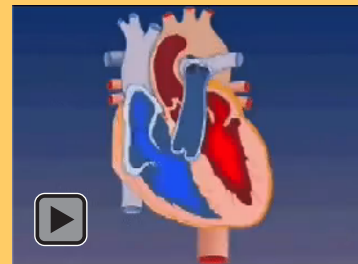
and the **blood vessels**.



THE HEART

The heart is a **hollow muscle**.

It **pumps blood** around the **body**.

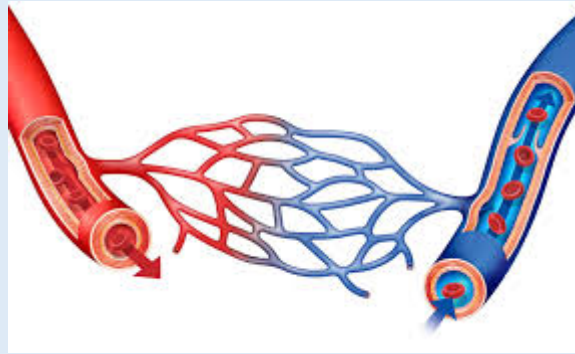


THE BLOOD

The blood carries **oxygen** and **nutrients** to all parts of our body and **collects carbon dioxide** and **other waste products** to be expelled.

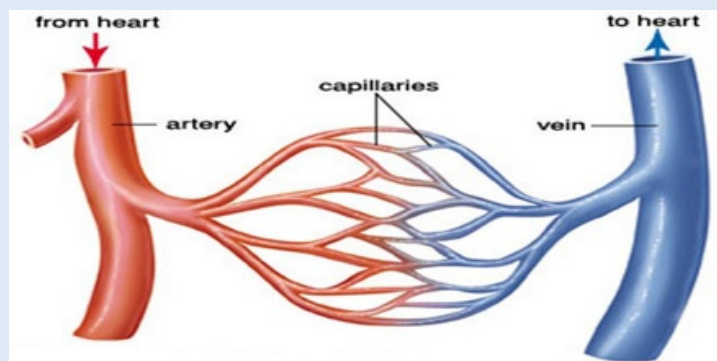
BLOOD VESSELS

Blood vessels **carry blood** around the **body**.

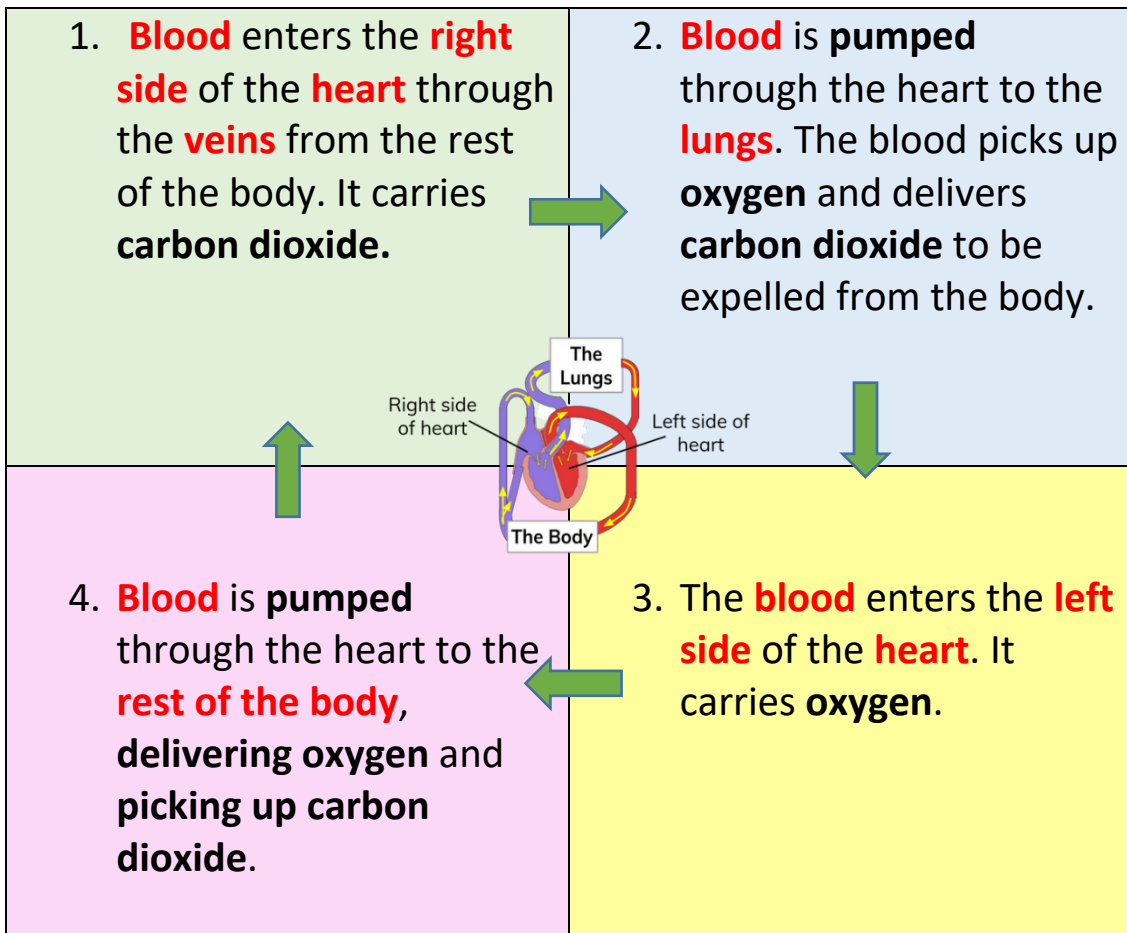


TYPES OF BLOOD VESSELS

| ARTERIES | VEINS | CAPILLARIES |
|--|---|---|
| They carry blood from the heart to the rest of the body . | They return blood to the heart from the rest of the body . | They are tinny blood vessels that connect the arteries to the veins . This is where the blood delivers nutrients and oxygen to the body cells and picks up carbon dioxide and other waste products . |



HOW BLOOD TRAVELS AROUND THE BODY



The heart is a DOUBLE PUMP:

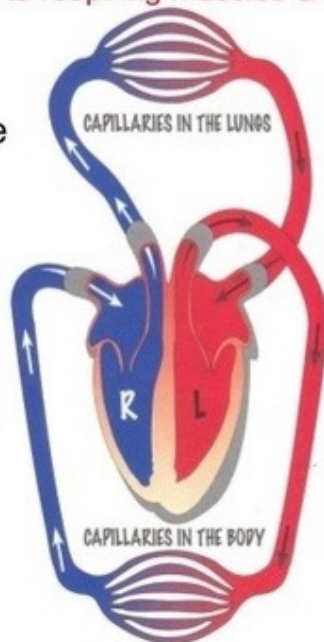
- 1st - blood is pumped to the lungs & returns to the heart,
2nd - blood is pumped to respiring muscles & back to the heart again.

1. Deoxygenated blood is pumped from the heart to the lungs

2. The blood receives oxygen and is pumped back to the heart

4. The oxygen leaves the blood to be used for respiration in the body and the blood goes back to the heart

3. The oxygenated blood is then pumped to the rest of the body



Circulatory system

Videos

The circulatory system in the human body for kids

<https://www.youtube.com/watch?v=TmcXm-8H-ks>

Exploring the heart- The circulatory system

<https://www.youtube.com/watch?v=-s5iCoCaofc> THE CIRCULATORY SYSTEM | Educational Video for Kids.

<https://www.youtube.com/watch?v=f9ONXd-anM>

HOW YOUR HEART WORKS

https://www.youtube.com/watch?v=eVG45_iF9U

CIRCULATION

<http://www.sciencekids.co.nz/videos/humanbody/circulatorysystem.html>

Online book

<https://www.storyjumper.com/book/index/10182542/The-Circulatory-System#>