## 1. THE CIRCULATORY SYSTEM

# **FUNCTION**



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

## **PARTS**



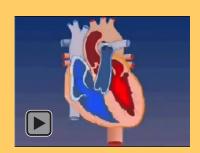
The circulatory system is made up of the heart

and the blood vessels.

### THE HEART

The heart is a hollow muscle.



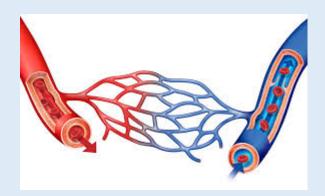


# THE BLOOD **•**

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**

TTPES 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.
from heart to heart capillaries vein		

### HOW BLOOD TRAVELS AROUND THE BODY

Lungs

The Body

Left side of

Right side

of heart

- 1. Blood enters the right side of the heart through the veins from the rest of the body. It carries carbon dioxide.
- Blood is pumped through the heart to the lungs. The blood picks up oxygen and delivers carbon dioxide to be expelled from the body.

4. Blood is pumped through the heart to the rest of the body, delivering oxygen and picking up carbon

3. The **blood** enters the **left** side of the heart. It carries oxygen.

#### 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.

CAPILLARIES IN THE LUNGS

APILLARIES IN THE BOD'

Deoxygenated blood is pumped from the heart to the lungs

dioxide.

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

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