

# WALT

WALT understand the function of blood

- ✓ I know what is in our blood.
- ✓ I know how blood gets around our bodies.
- ✓ I understand the importance of blood.

# Circulatory System



# RECAP

## Circulatory System

The circulatory system is one of the most important systems in the body.

Made up of the heart, blood and blood vessels, the circulatory system is your body's delivery system.

It delivers nutrients, water, and oxygen to your billions of body cells and carries away wastes such as carbon dioxide that body cells produce.

# Key questions...

*What is blood?*

*What is in our blood?*

*Why is our blood important?*

*Think or discuss...*

# Watch...

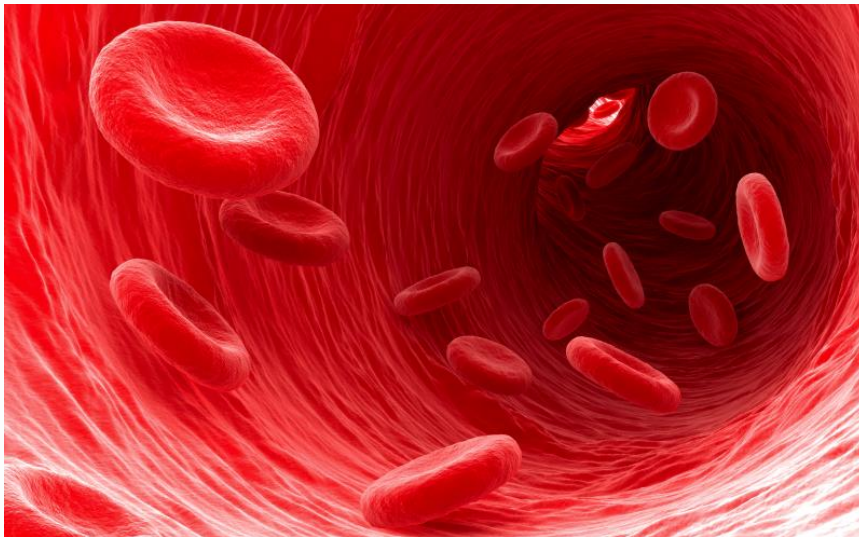
<https://www.bbc.co.uk/bitesize/topics/zwdr6yc/articles/zqv4cwx>

# What is blood?

Blood transports materials around the body and protects against disease.

# What Is It Made Of?

Blood is made of two parts:



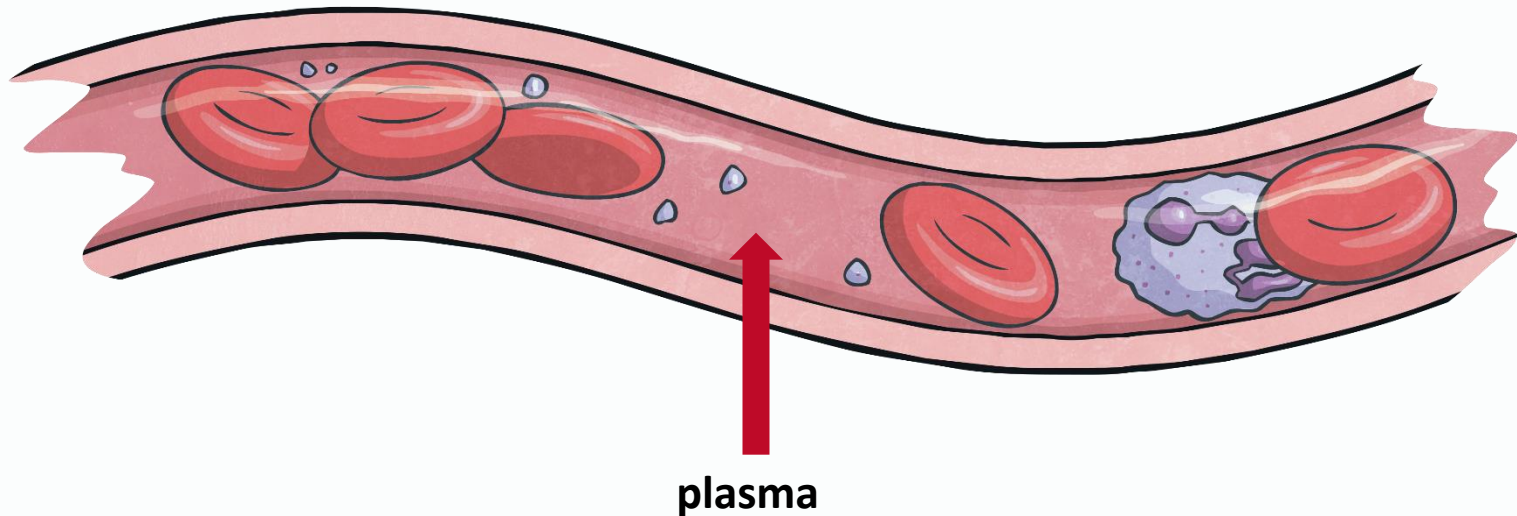
liquid

&

solid

# All About Blood

The liquid part of blood contains water and protein. This is called plasma!



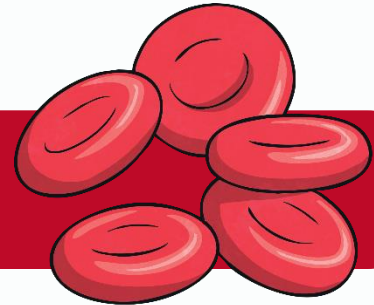
The main protein found in blood is called albumin. The main function of this protein is to keep the blood inside the blood vessel.



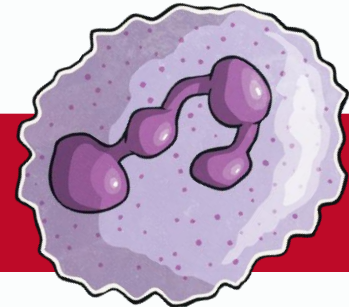
# All About Blood

The solid part of blood contains red blood cells, white blood cells, and platelets.

**Red blood cells** carry oxygen through your body



**White blood cells** fight infections when you're sick



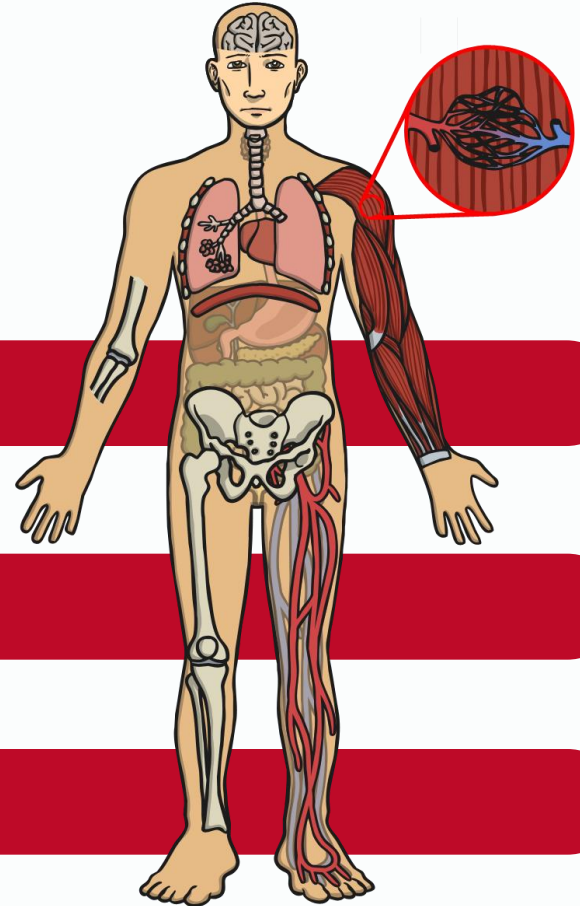
**Platelets** help you stop bleeding when you get hurt



# What Is Blood For?

Thanks to all the components of blood (plasma, red blood cells, white blood cells, and platelets) and their functions, we know that blood:

- carries nutrients throughout the body;
- gives oxygen to the body;
- keeps you from getting sick.



# Where Does Blood Go?

Blood travels through the circulatory system!

The heart is the main muscle that pumps blood to the rest of the body, but the heart has two jobs.

1. It sends the blood throughout the body.
2. It sends blood to the lungs to pick up oxygen.



# *Is Blood Actually Blue?*

Many people think blood is actually blue because veins look blue. They explain that blood becomes red when it gets oxygenated!

This is all a **myth**; blood looks blue for the following reasons:

The way skin absorbs light, makes veins look blue when they actually aren't!

The colour of veins depends on the way you see colour. Your brain sees blue veins because it compares that colour to the colour of your skin!

Tuesday 10<sup>th</sup> January 2021

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# Activity

*Complete the paragraph in your book...*

Blood transports materials around the body and protects against \_\_\_\_\_. Blood is made of two parts: \_\_\_\_\_ & solid. It contains: red blood cells which transport \_\_\_\_\_, white blood cells which \_\_\_\_\_ against disease, blood platelets which help the blood to clot and \_\_\_\_\_ a cut and \_\_\_\_\_ which is a liquid that carries these cells. It also transports important nutrients.

*Extension: Draw a diagram of blood and the different parts - remember to label it.*

*Try the quiz...*

<https://www.bbc.co.uk/bitesize/topics/zwdr6yc/articles/zqv4cwx>