## BLOOD

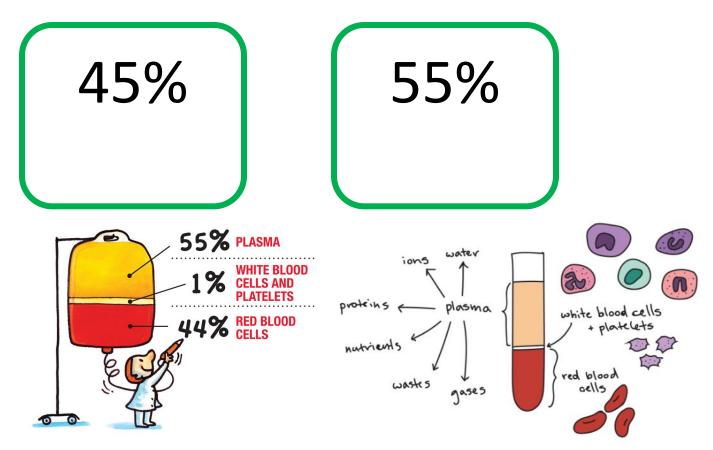
Simply put, blood is the fluid that travels through your circulatory system.

Blood has 3 main functions:

<ul> <li>Nutrients and oxygen TO the cells</li> </ul>	<ul> <li>Body temperature</li> <li>Body fluids</li> </ul>	<ul> <li>Protect against disease and</li> </ul>
<ul> <li>Waste and CO2</li> <li>AWAY from the</li> </ul>		infections.
cells		

Blood passes through our liver at a rate of about: \_\_\_\_\_\_!

Our blood is made of two main components:

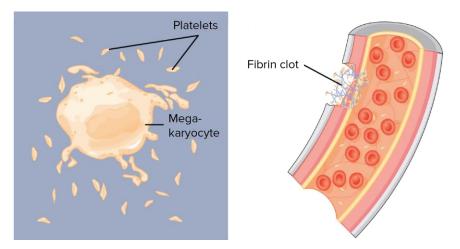


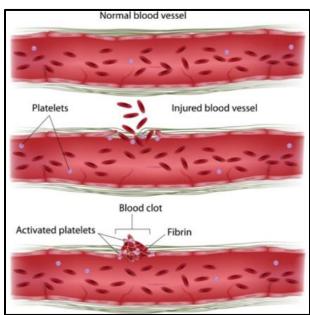
11 BIO U3:L1

	Red blood cells Red blood cell (erythrocyte)
Small shape (better for diffusion)	
Short life span	Cross-see
Made in bone marrow	Capillary
Contains, a key protein in	(small blood vessel)
oxygen transport.	L
Red blood cells have an average life span of	Old or damaged red blood cells ar
broken down in the	, and new ones are produced in
the TE BLOOD CELLS (AKA: Have a nucleus	
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TE BLOOD CELLS (AKA: Have a nucleus they are primarily involved in Different types of white blood cells have differen One group, the includes neutrophils, eosinophils, and basophils, which are granular and found in	t lifetimes, ranging from

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sticky plug. The platelets release signals, which not only attract other platelets and make them become sticky, but also activate a signaling cascade that ultimately converts fibrinogen, a water-soluble protein present in blood plasma, into \_\_\_\_\_\_ (a non-water soluble protein). The fibrin forms threads that reinforce the platelet plug, making a clot that prevents further loss of blood.





## IDENTIFYING BLOOD COMPONENTS

From what you know about blood cells, guess and check the images from the PowerPoint...

IMAGE	WHAT IS IT?	CORRECT?
IMAGE ONE		
IMAGE TWO		
IMAGE THREE		
IMAGE FOUR		
IMAGE FIVE		
IMAGE SIX		

## PONDER IT...

Explain a real-life scenario when you, or someone you know had a blood test done. What was it for? How was it done? Where was it done? Did you have to wait for the results? Were the results useful?