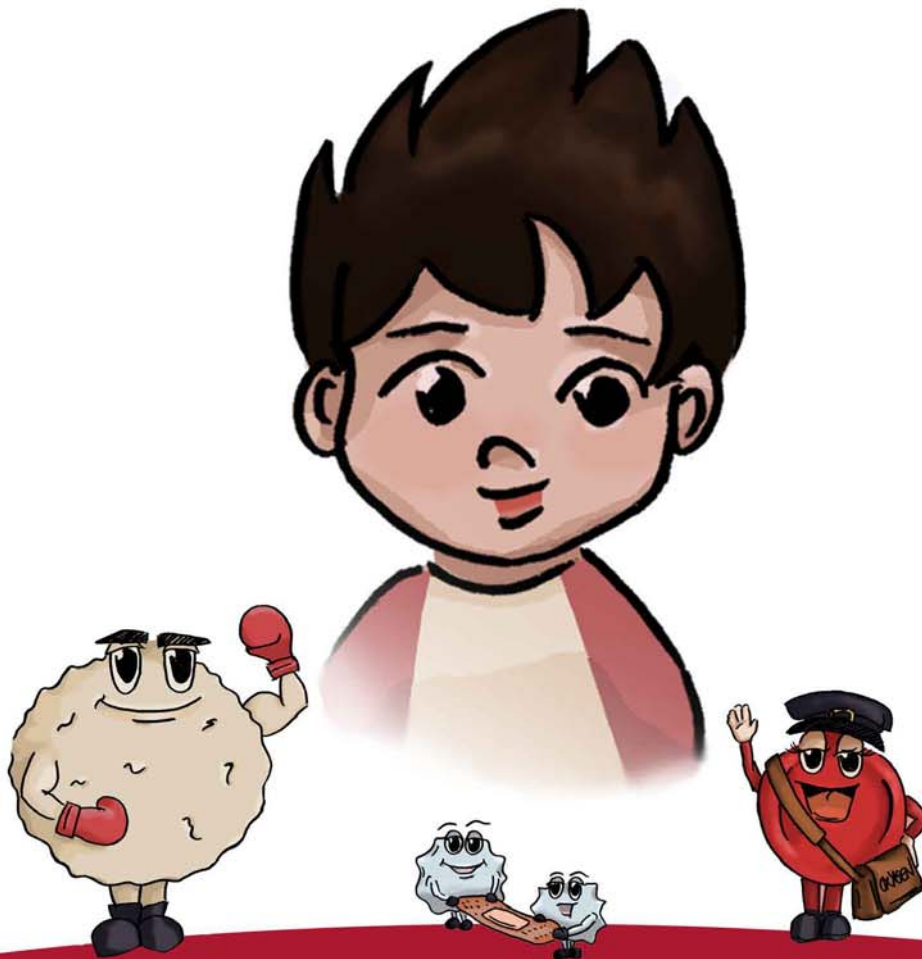


# BILLY AND HIS BLOOD CELLS

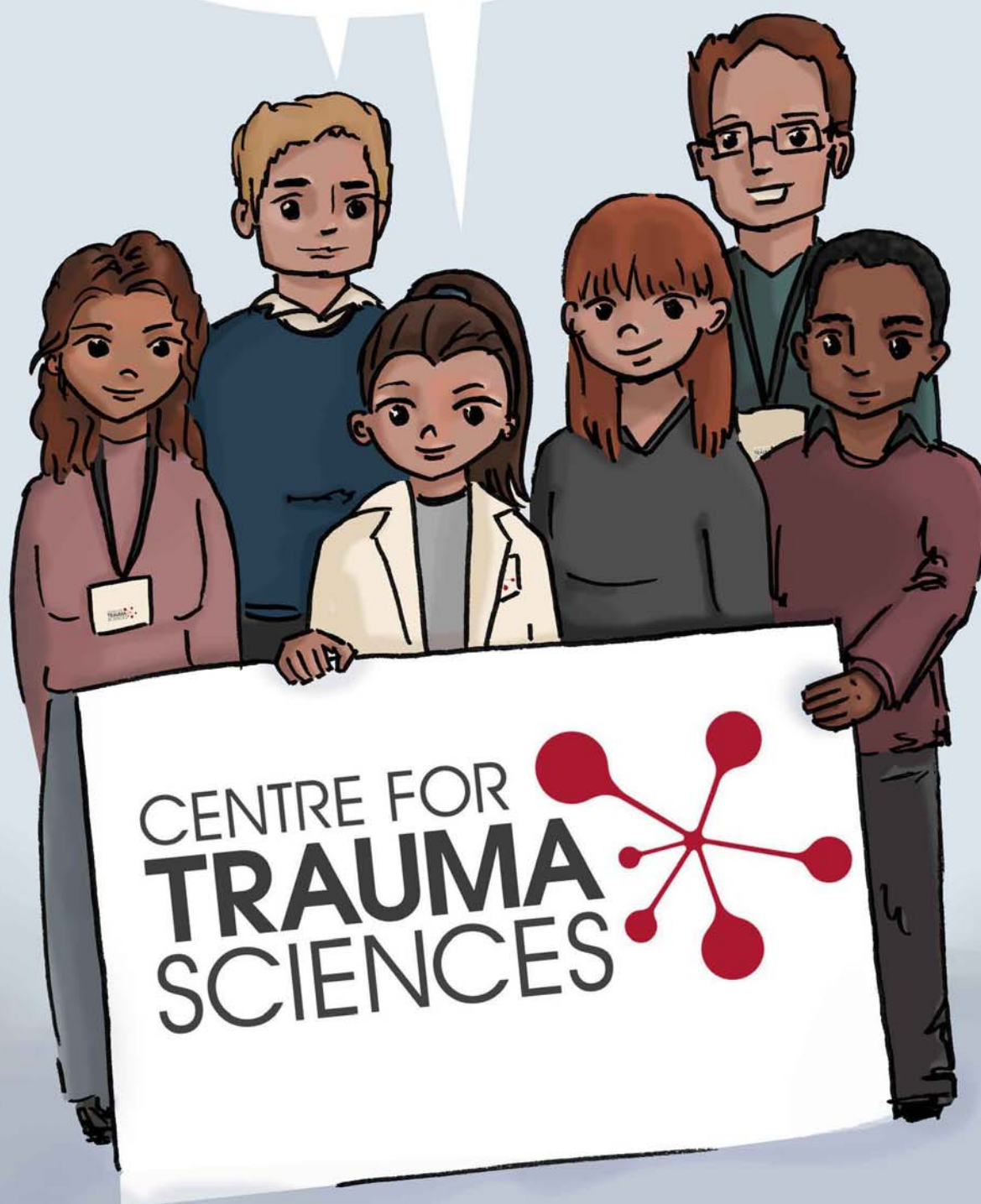
## WHAT HAPPENS WHEN YOU GET HURT?



HELLO, WE'RE DOCTORS,  
NURSES AND SCIENTISTS.

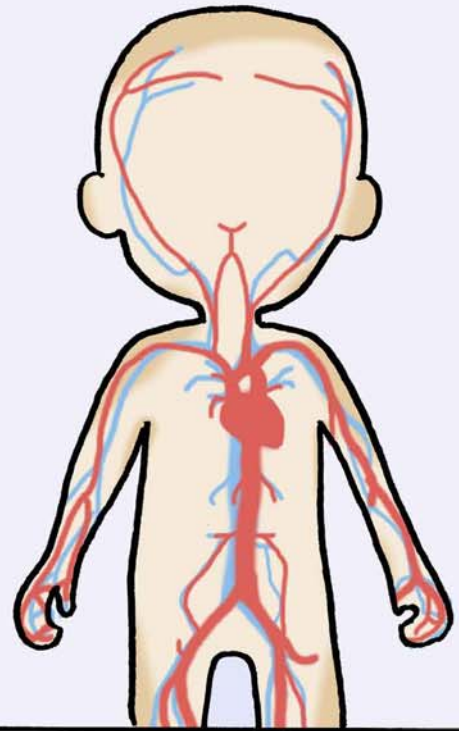
WE WORK AT THE CENTRE FOR  
TRAUMA SCIENCES. WE LOOK AT  
WHAT HAPPENS TO THE BODY  
AFTER TRAUMA.

TRAUMA IS WHEN  
YOU HAVE A NASTY  
INJURY.





INSIDE YOUR BODY, YOU  
HAVE BLOOD VESSELS.

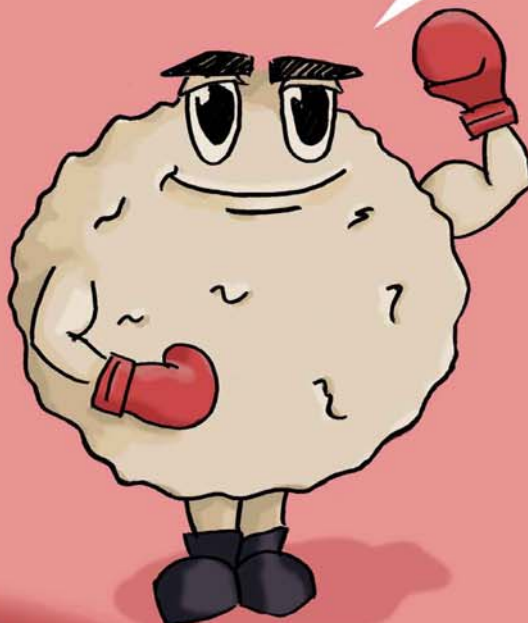


BLOOD VESSELS ARE SPECIAL TUBES THAT  
CARRY BLOOD AROUND YOUR BODY.

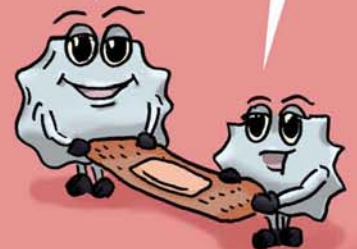
HI, I'M A RED BLOOD CELL.  
I LIVE AND TRAVEL INSIDE  
THESE BLOOD VESSELS. MY  
JOB IS TO CARRY AND DELIVER  
OXYGEN AROUND YOUR BODY.



HI, I'M A WHITE BLOOD  
CELL. I STOP YOU GETTING  
ILL BY FIGHTING NASTY  
GERMS THAT GET INTO  
YOUR BODY.



HELLO, WE'RE PLATELETS  
AND OUR JOB IS TO HELP  
STOP BLEEDING.



YOUR BLOOD IS MADE UP OF CELLS WITH SPECIAL JOBS TO KEEP YOU WELL. READ THE STORY  
ABOUT A BOY CALLED BILLY TO SEE HOW THESE CELLS FIX YOUR BODY WHEN YOU GET HURT.



# BILLY'S STORY



ONE AFTERNOON, BILLY WENT CYCLING DOWN HIS FAVOURITE HILL. BUT HE WENT TOO FAST AND...



BILLY'S HELMET PROTECTED HIS HEAD, BUT BILLY'S LEG WAS BLEEDING AND HIS ARM REALLY HURT!

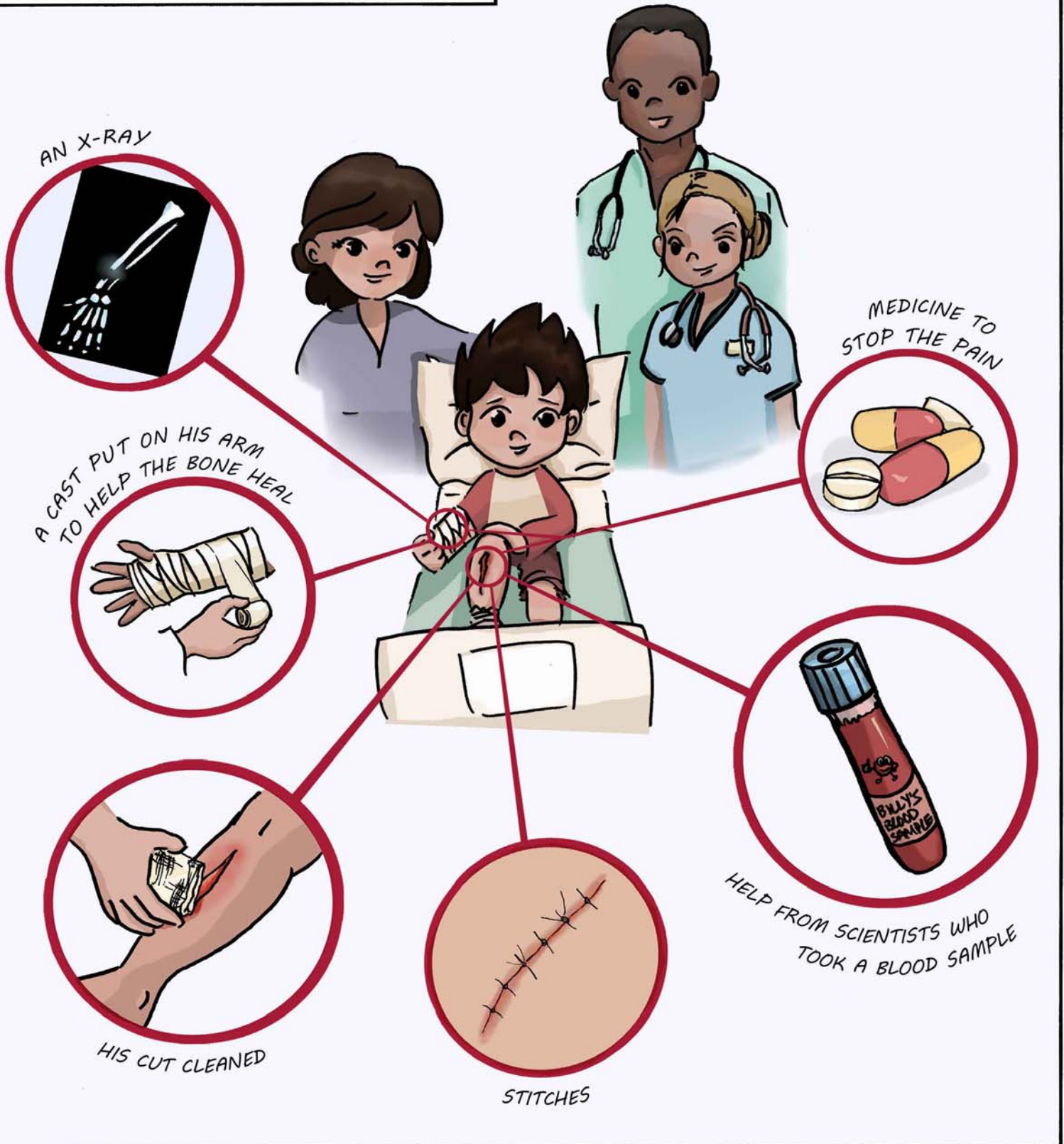


BILLY'S MUM SAW THAT HIS ARM WAS BROKEN AND THE CUT WAS QUITE BIG, SO SHE DECIDED TO CALL AN AMBULANCE.





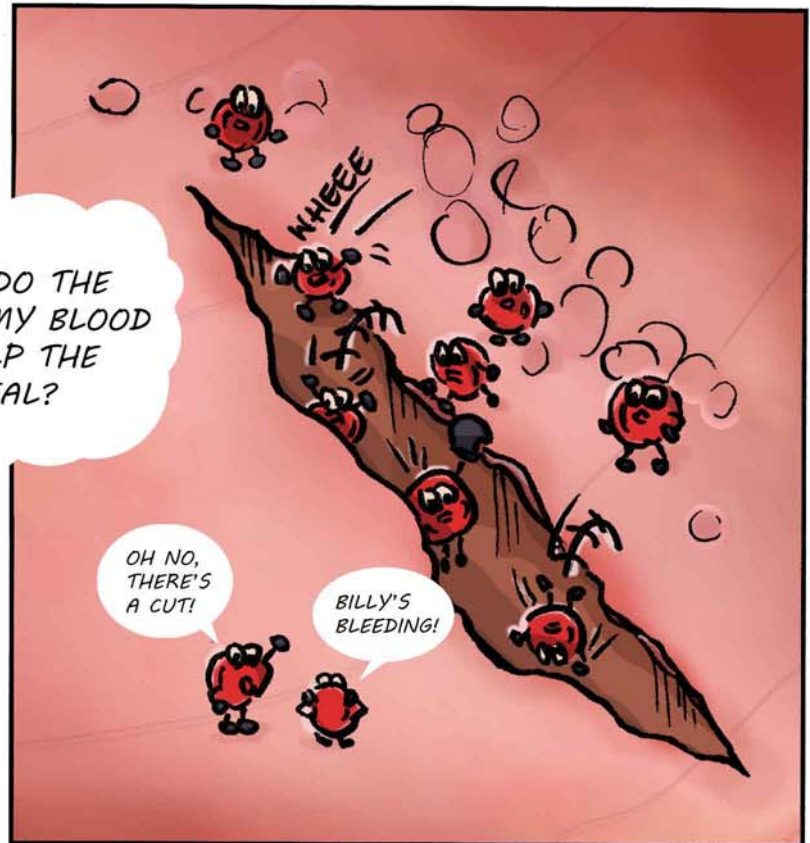
IN HOSPITAL, BILLY HAD...





THE CELLS WERE ALSO WORKING HARD TO MEND THE CUT.

SO WHAT DO THE CELLS IN MY BLOOD DO TO HELP THE CUT TO HEAL?



OH NO, THERE'S A CUT!

BILLY'S BLEEDING!

AT FIRST, THE CUT MAY BLEED AND SOME CELLS WILL BE LOST.



DON'T WORRY. WE, PLATELETS, ARE HERE TO FIX IT!

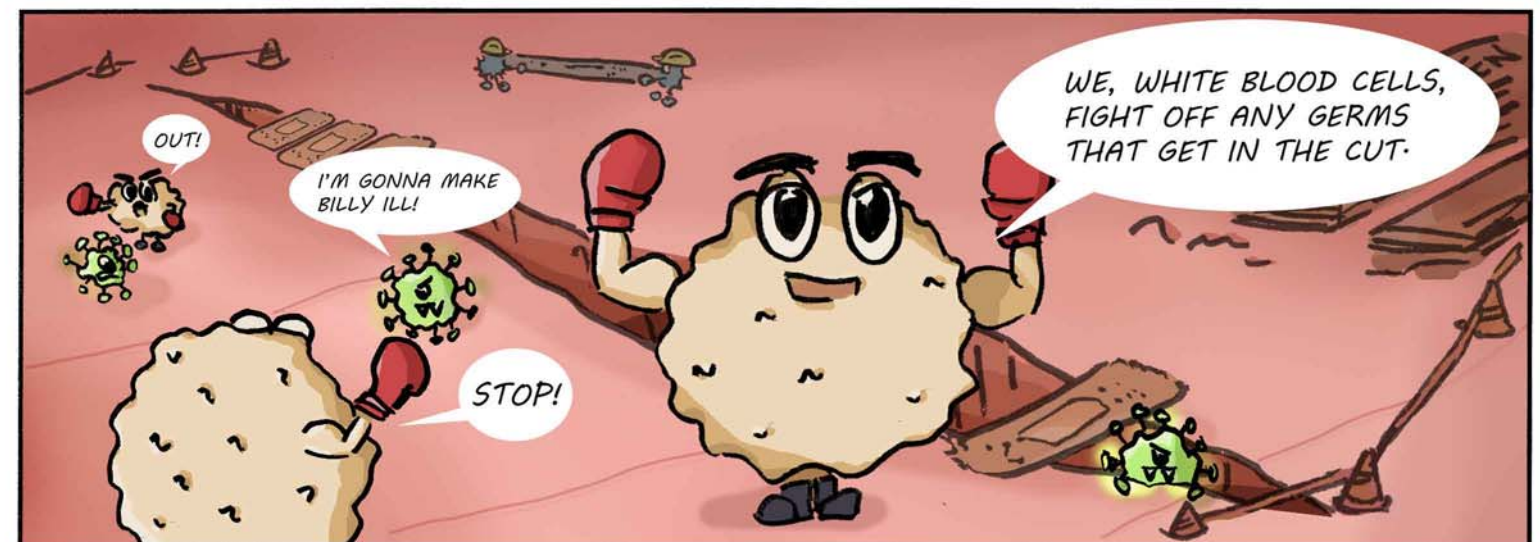
THIS WAY.

OUT!

I'M GONNA MAKE BILLY ILL!

STOP!

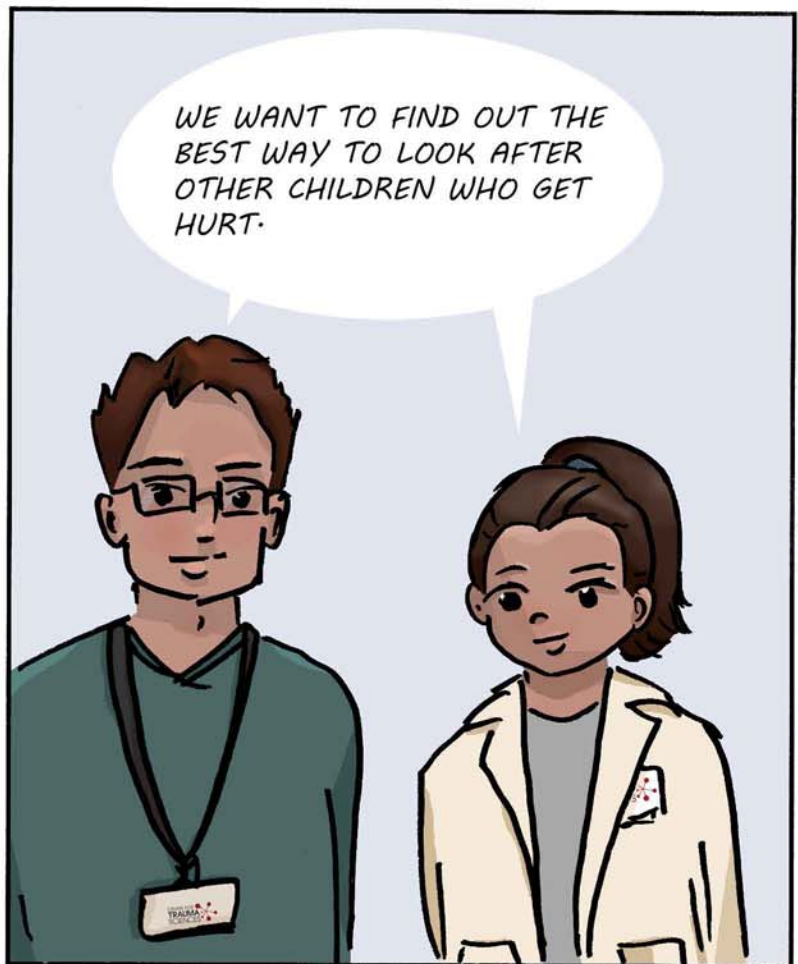
WE, WHITE BLOOD CELLS, FIGHT OFF ANY GERMS THAT GET IN THE CUT.







MEANWHILE, DOCTORS AND SCIENTISTS LOOKED AT BILLY'S BLOOD TO UNDERSTAND WHAT HAPPENED TO HIS CELLS AFTER HE GOT HURT.



A FEW DAYS LATER, THE CELLS HAD HEALED BILLY'S CUT AND A SCAB FORMED. WHEN THE SCAB FELL OFF, BILLY'S LEG WAS ALL BETTER.



BILLY'S ARM TOOK LONGER TO GET BETTER, BUT A FEW WEEKS LATER IT WAS FIXED AND BILLY HAD THE CAST TAKEN OFF HIS ARM.



ONCE BILLY FELT WELL, HE COULD RIDE HIS BIKE AGAIN!



CAN YOU FIND ALL OF THE WORDS  
FROM THE STORY BELOW?

B	U	G	V	A	Y	S	B	S	W
F	L	C	M	T	R	D	H	C	P
H	S	E	C	H	U	C	Y	I	R
G	E	T	E	D	J	L	Q	E	V
P	R	A	L	D	N	K	G	N	C
H	P	V	L	R	I	T	E	T	L
L	R	K	E	U	Y	N	S	I	T
T	R	A	U	M	A	P	G	S	B
S	E	O	H	L	S	I	D	T	M

CELL

☐

TRAUMA

☐

HEAL

☐

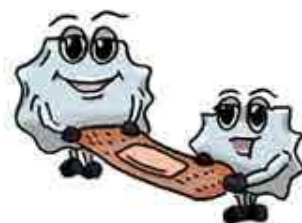
BLEEDING

☐

INJURY

☐

SCIENTIST

☐


MATCH THE WORDS FROM THE STORY TO THEIR MEANINGS...

TRAUMA

... HELP TO  
STOP BLEEDING



RED  
BLOOD  
CELLS

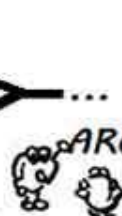


... HELP FIGHT OFF  
NASTY GERMS



PLATELETS

... CARRY OXYGEN  
AROUND YOUR BODY



WHITE  
BLOOD  
CELLS



... WHEN YOU HAVE  
A NASTY INJURY  
SUCH AS BILLY'S CUT



COLOUR IN THE PICTURES FROM THE STORY!