

WHAT'S UP WITH EVAN?

MK+

MEDIKIDZ EXPLAIN VACCINATIONS

SUPERHERO
ADVENTURE INSIDE THE
HUMAN BODY!



MEDIKIDZ

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MEDIKIDZ

Hi! We are the Medikidz!

We live on Planet Mediland.

Our mission is to put medical information about disease and medicines into plain words for sick kids, their families and friends all around the world.

We all have expert knowledge about different parts of Mediland. Not only do we know how Mediland works, we also know how the human body works! With our combined knowledge we can teach kids about any part of the body and any disease!

I'M PUMP.
I'M THE GUY YOU COME
TO FOR THE LOW-DOWN ON
YOUR HEART AND BLOOD
VESSELS.

HI THERE! I'M CHI,
IT'S MY JOB TO KNOW ALL
ABOUT YOUR LUNGS. I WILL
HELP YOU TO BREATHE
EASILY.

HELLO, I'M GASTRO.
I CAN TELL YOU ALL YOU NEED
TO KNOW ABOUT YOUR TUM,
BUM AND ALL THE TUBES
IN BETWEEN.

HI! I'M
SKINDERELLA,
THE SKIN AND BONE
SPECIALIST.

I'M AXON.
I'M THE BRAIN SPECIALIST.
THE 'BRAIN ON LEGS' IS MY
PET ROBOT, ABACUS.

I'M
ABACUS—THE BRAIN
ON LEGS!







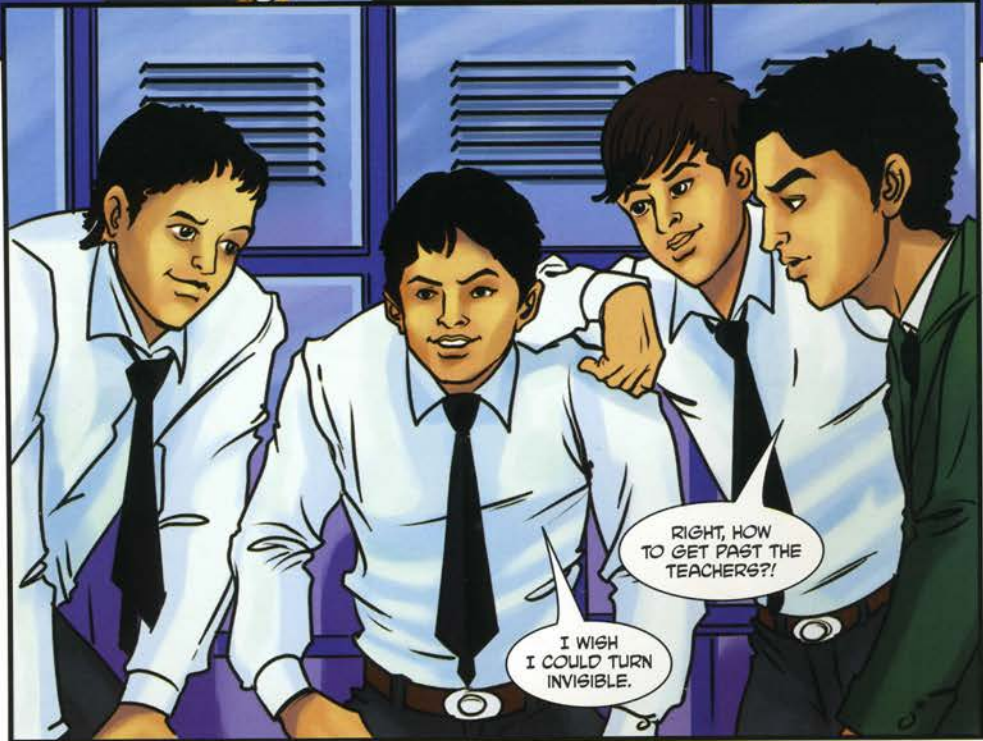
I DON'T KNOW WHAT THIS JAB IS FOR, BUT I KNOW I FEEL FINE AND WOULD RATHER BE DOING JUST ABOUT ANYTHING ELSE.

WE SHOULD FORGET THE VACCINATION AND GO SEE A MOVIE!



LOOK, THAT COULD BE US! I DON'T WANT A JAB. LET'S GET OUT OF HERE!

MAN, MAYBE YOU'RE RIGHT.



I WISH I COULD TURN INVISIBLE.

RIGHT, HOW TO GET PAST THE TEACHERS?!





WHOA!
WHERE AM I?

WHO ARE
YOU GLYGS?!?

FEAR NOT,
FOR WE ARE **THE
MEDIKIDZ!**



I'M **PUMP...**

I WILL MAKE YOUR
PULSE RACE BY ANSWERING
ALL YOUR HEARTFELT
QUESTIONS.

I HAVE
SUPERHUMAN
STRENGTH AND SPEED.
**MEDI-MIGHT
GO!**

I'M
GASTRO.

I HAVE THE
LOW-DOWN ON YOUR BUM,
YOUR TUM AND ALL THE
TUBES IN BETWEEN!

I'M **CHI...**
I KNOW
ALL ABOUT YOUR
LUNGS.

I WILL HELP
YOU BREEEAATHE
EASY. MY SUPERPOWER
IS TO HELP YOU RELAX.
**MEDI-TATE
GO!**

I CAN PROPEL
MYSELF THROUGH
MEDILAND WITH MY
WORLD-FAMOUS
FARTS.

**MEDI-GAS
GO!**

I'M
SKINDERELLA.

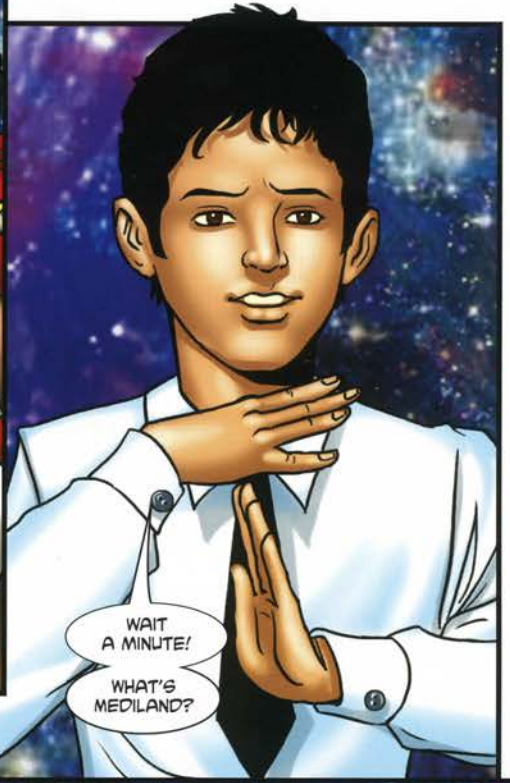
I KNOW ALL
ABOUT YOUR SKIN
AND BONES.

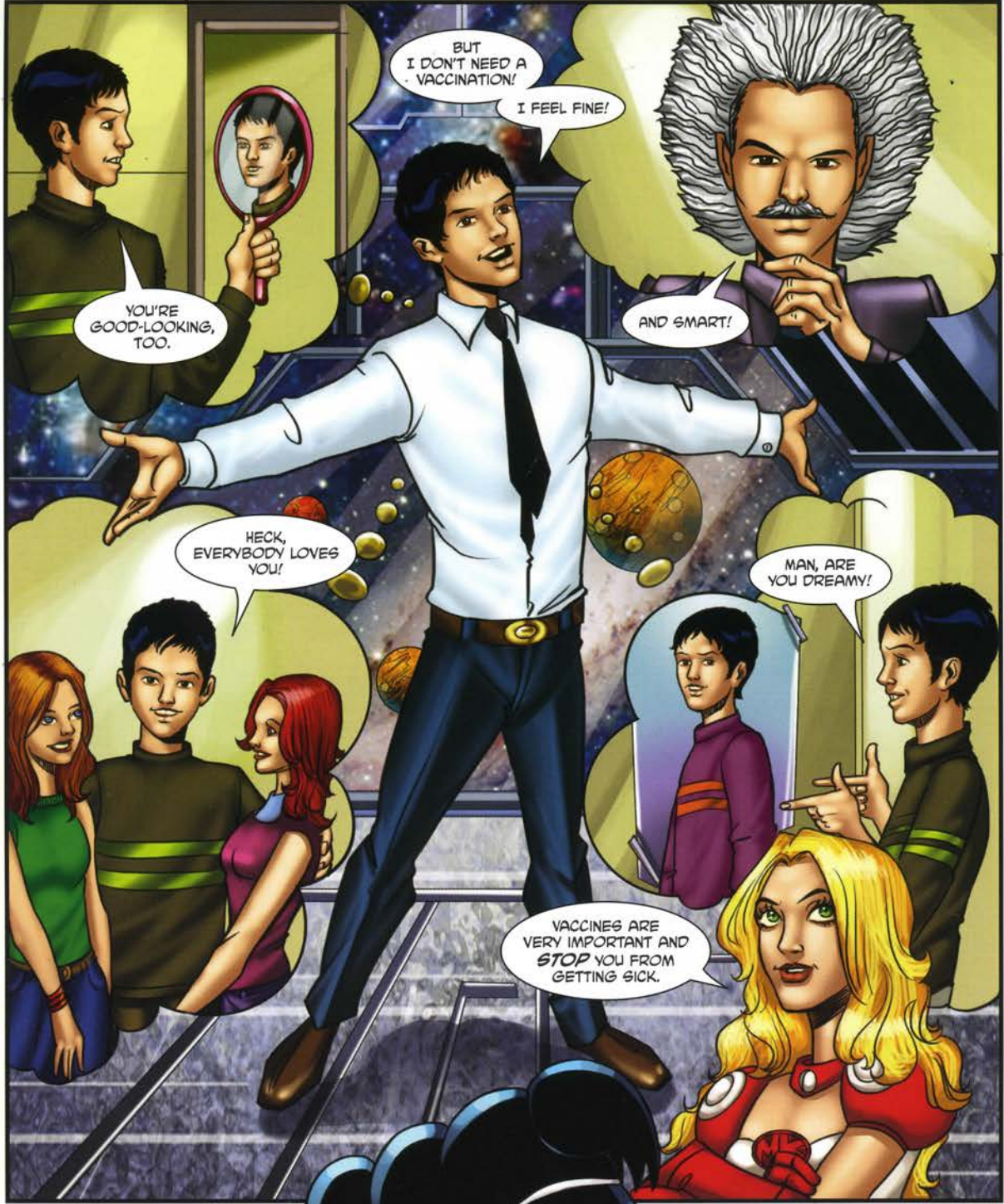
I CAN MORPH
INTO A SKELETON!
**MEDI-MORPH
GO!**

I'M
**AXON-THE BRAIN
SPECIALIST.**

MY GLASSES
DOUBLE AS A MEDI-SCOPE.
MEDI-VISION GO!

AND I'M
**ABACUS-THE BRAIN
ON LEGS.**





YOU'RE GOOD-LOOKING, TOO.

BUT I DON'T NEED A VACCINATION!

I FEEL FINE!

AND SMART!

HECK, EVERYBODY LOVES YOU!

MAN, ARE YOU DREAMY!

VACCINES ARE VERY IMPORTANT AND STOP YOU FROM GETTING SICK.



SNAP!

WHEN YOU GET SICK IT'S BECAUSE YOU'VE GOT AN INFECTION.

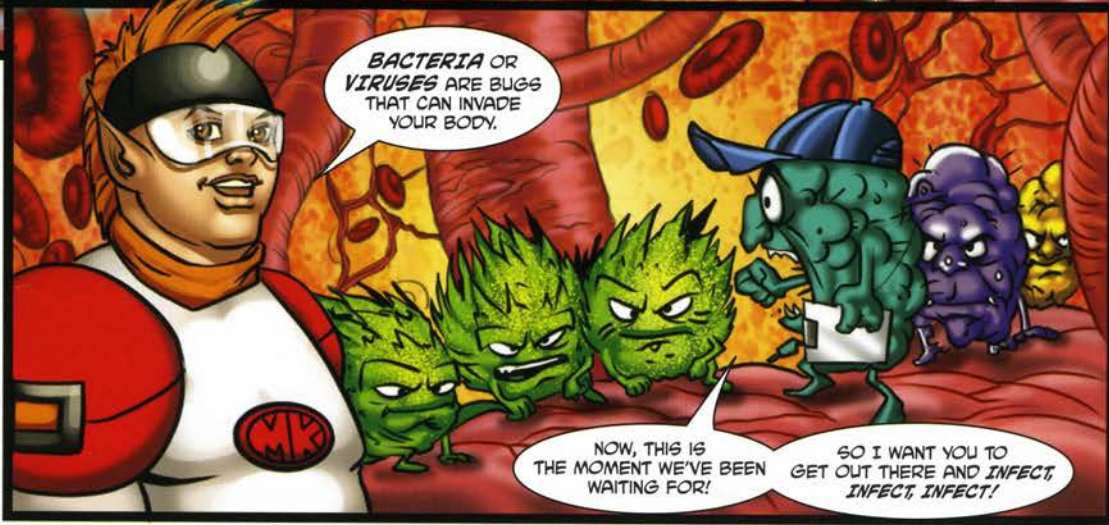
GO TO UNDERSTAND VACCINES YOU FIRST HAVE TO UNDERSTAND INFECTIONS, WHICH MEANS OUR FIRST STOP IS THE BLOODSTREAM!

IN THE BLOODSTREAM



WELCOME TO THE BLOODSTREAM!

WHOA! THIS IS COOLER THAN ANY MOVIE!



BACTERIA OR VIRUSES ARE BUGS THAT CAN INVAD^E YOUR BODY.

NOW, THIS IS THE MOMENT WE'VE BEEN WAITING FOR!

SO I WANT YOU TO GET OUT THERE AND INFECT, INFECT, INFECT!



YOU CAN'T NORMALLY SEE BUGS BECAUSE THEY ARE 1,000 TIMES SMALLER THAN A GRAIN OF SAND...

BUT THEY CAUSE ALL KINDS OF PROBLEMS LIKE CHICKEN POX, MEASLES AND WHOOPING COUGH!



THESE BUGS HAVE SPECIAL KEYS THAT LET THEM INTO YOUR CELLS!

THEY BREAK INTO MY CELLS?!

THAT IS SO NOT COOL!



THE CLONES HEAD OFF TO INFECT MORE AND MORE CELLS.

THEY CREATE AN ARMY!

AAAAND I'M STARTING TO GET WORRIED.



HAVE NO FEAR, YOUR BODY HAS...

THE IMMUNE SYSTEM!



WHOA, LOOK AT THEM GO!

MY BODY IS AWESOME!

IT'S YOUR BODY'S OWN ARMY FOR TAKING CARE OF BUGS.

IT'S MADE UP OF WHITE BLOOD CELLS.

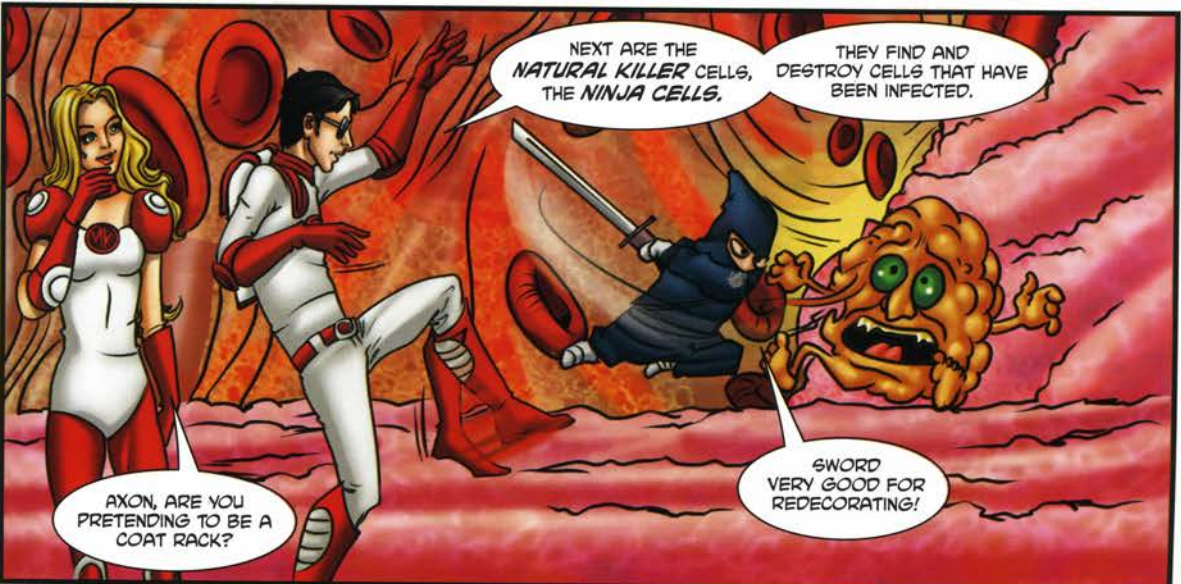
THERE ARE FOUR MAIN TYPES.



NEUTROPHILS ARE THE MOST COMMON, THEY'RE THE FOOT SOLDIERS OF THE IMMUNE SYSTEM ARMY.

THEY SURROUND AND DESTROY BACTERIA.

UM, GUYS, CAN WE TALK THIS OVER?

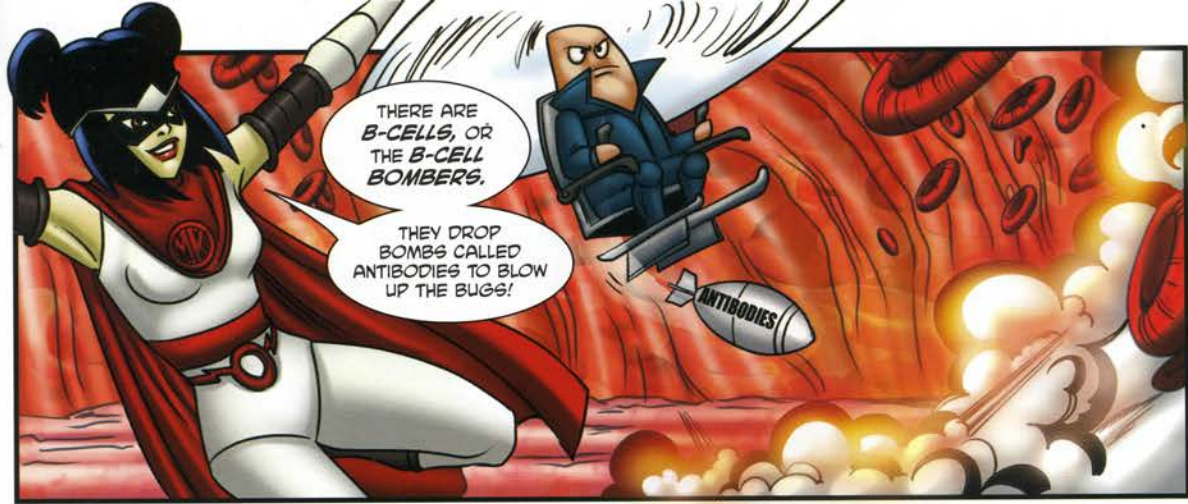


NEXT ARE THE NATURAL KILLER CELLS, THE NINJA CELLS.

THEY FIND AND DESTROY CELLS THAT HAVE BEEN INFECTED.

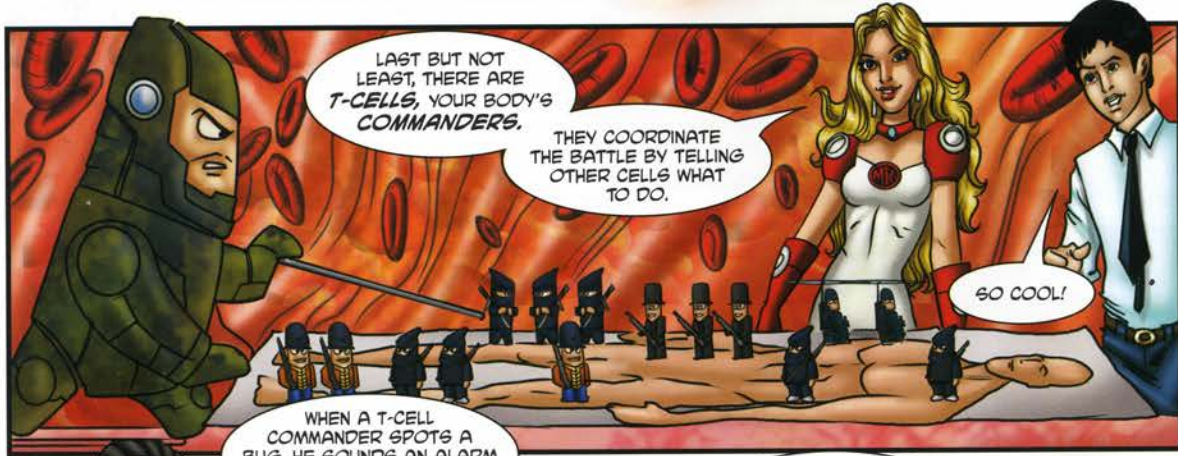
AXON, ARE YOU PRETENDING TO BE A COAT RACK?

SWORD VERY GOOD FOR REDECORATING!



THERE ARE **B-CELLS**, OR THE **B-CELL BOMBERS**.

THEY DROP BOMBS CALLED **ANTIBODIES** TO BLOW UP THE BUGS!

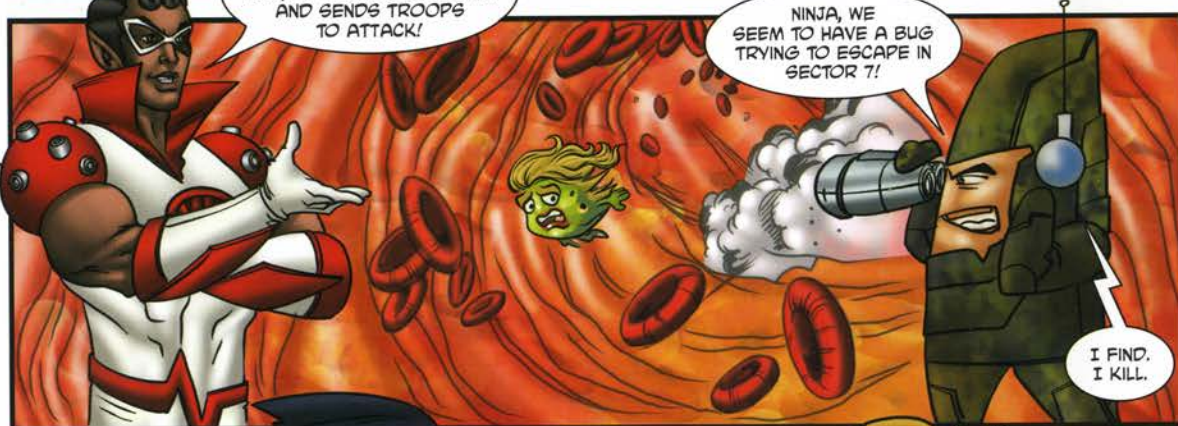


LAST BUT NOT LEAST, THERE ARE **T-CELLS**, YOUR BODY'S **COMMANDERS**.

THEY COORDINATE THE BATTLE BY TELLING OTHER CELLS WHAT TO DO.

SO COOL!

WHEN A T-CELL COMMANDER SPOTS A BUG, HE SOUNDS AN ALARM AND SENDS TROOPS TO ATTACK!



NINJA, WE SEEM TO HAVE A BUG TRYING TO ESCAPE IN SECTOR 7!

I FIND. I KILL.



ERR... YOU WOULDN'T HARM A LADY, WOULD YOU?

ONLY A LADY AS UGLY AS YOU.



WHEN THE BATTLE IS OVER, T-CELLS AND B-CELLS ARE GIVEN THE SPECIAL JOB OF BEING THE 'MEMORY CELLS'!



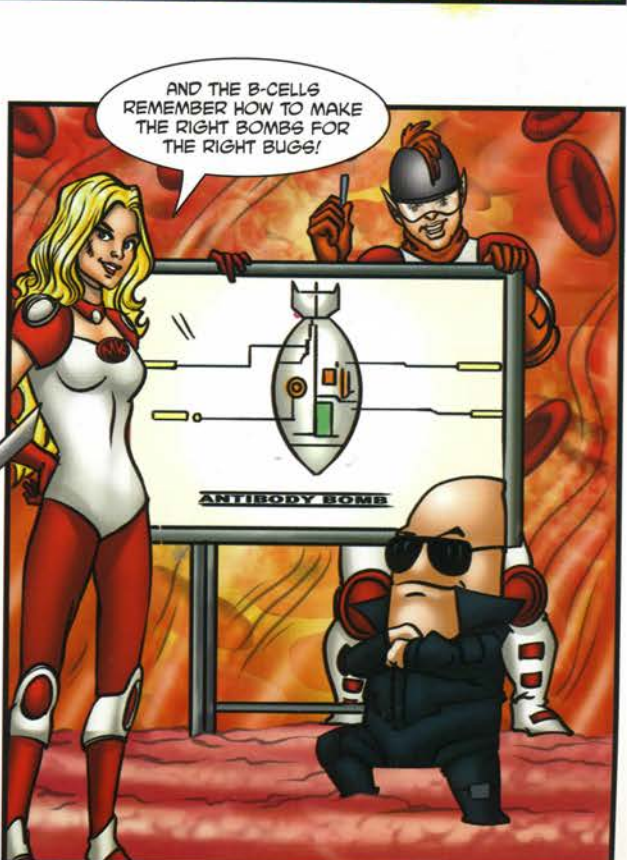
THEY TAKE PHOTOS AND RECORD INFORMATION ABOUT THE BUGS SO THEY'LL BE READY THE NEXT TIME THEY TRY TO ATTACK!



T-CELLS REMEMBER THE BUG'S WEAKNESS.

IF THOSE BUGS EVER SHOW THEIR UGLY FACES AGAIN WE WANT TO HIT THEM HERE, HERE AND HERE!

SLICE. DICE. VERY NICE.



AND THE B-CELLS REMEMBER HOW TO MAKE THE RIGHT BOMBS FOR THE RIGHT BUGS!

ANTIBODY BOMB



I GET IT! THE IMMUNE SYSTEM KEEPS A FILE ON ALL THE BUGS IT ENCOUNTERS SO THE NEXT TIME IT CAN GET RID OF THEM FASTER.

EXACTLY! DOCTORS CALL THIS IMMUNITY!



IMMUNITY IS WHEN YOUR BODY DESTROYS A BUG BEFORE IT HAS TIME TO MAKE YOU SICK.

YOUR BODY IS USED TO THE BUG SO IT DOESN'T BOTHER IT ANYMORE.

OH, THEN I'M IMMUNE TO MY OLDER SISTER'S YELLING!

MY FRIENDS ARE COMING OVER AND YOU BETTER NOT BOTHER US. UGH, YOU SMELL! ARE YOU WEARING DEODORANT? YOU SHOULD CLEAN YOUR ROOM. EVAN, ARE YOU LISTENING?!

AH, SO PEACEFUL TODAY.



OKAY, FROM WHAT YOU'VE JUST SHOWN ME MY IMMUNE SYSTEM IS PRETTY AWESOME AT TAKING DOWN BUGS.

SO WHAT DO I NEED A VACCINE FOR?

I LOVE... THAT BEAN BAG CHAIR!

I WANT IT, I WANT IT, I WANT IT!



WHEN YOUR IMMUNE SYSTEM ARMY FIGHTS A BUG FOR THE FIRST TIME, IT CAN TAKE A WHILE FOR THE ARMY TO FIGURE OUT HOW TO FIGHT!

NORMALLY IT TAKES ABOUT A WEEK FOR YOUR BODY TO FIGURE IT OUT!

THIS DOES NOT LOOK GOOD!

DEAR CHOCOLATE CAKE, LIFE IS HARD ON THE FRONT LINES. I MISS YOU TERRIBLY.



BY THE TIME YOUR IMMUNE SYSTEM FIGURES OUT HOW TO FIGHT IT, THE BUG COULD HAVE CAUSED LOTS OF DAMAGE!

THIS IS AWFUL!

TO STOP THIS FROM HAPPENING YOU NEED TO PREPARE YOUR IMMUNE SYSTEM FOR THESE BUGS!



HOW DO I DO THAT?



THAT'S WHERE A VACCINE COMES IN!

YOUR IMMUNE SYSTEM WANTS YOU TO GET A VACCINE!

GO TO A CLINIC NEAR YOU!