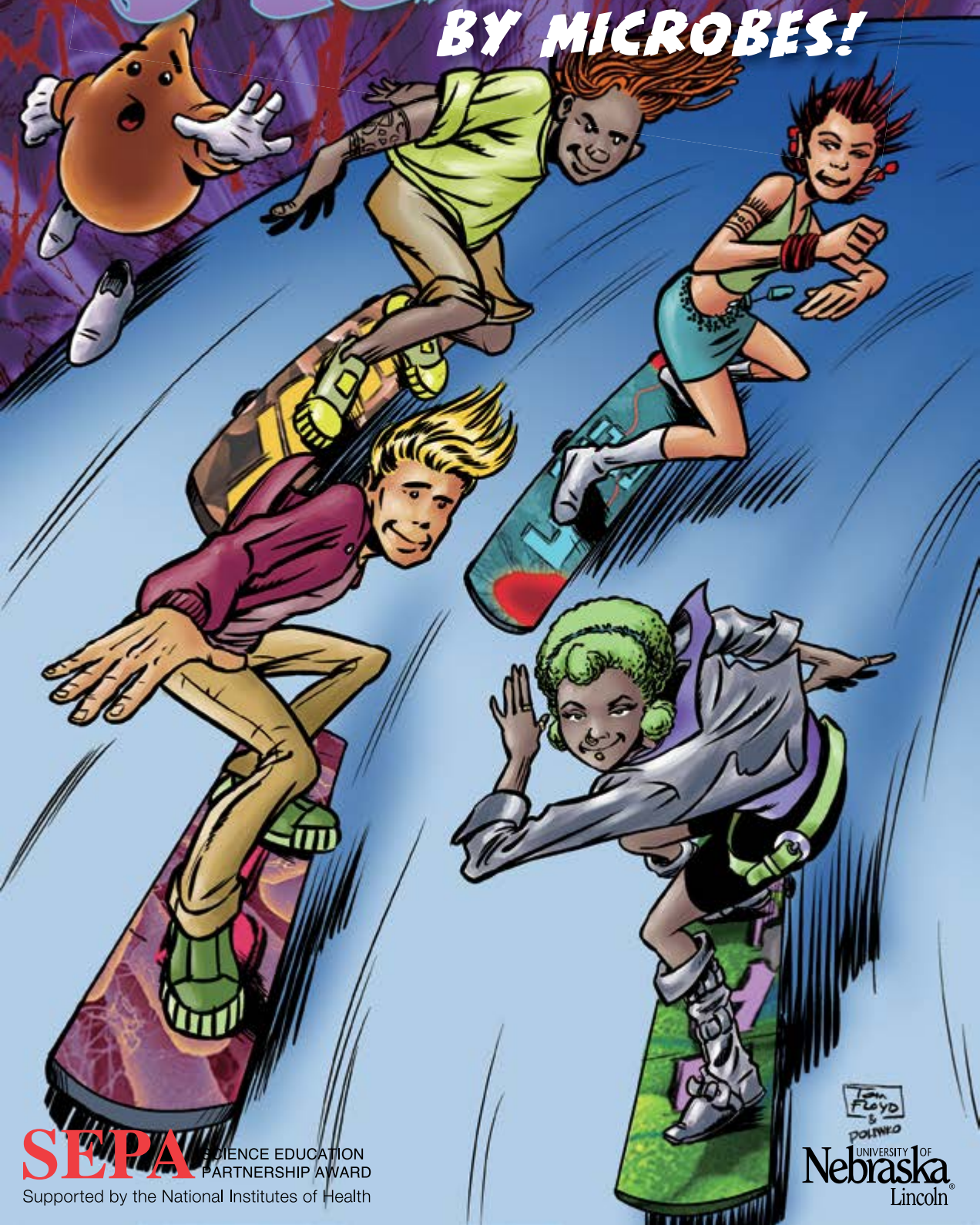


Biology of HUMAN

# OCCUPIED

**BY MICROBES!**

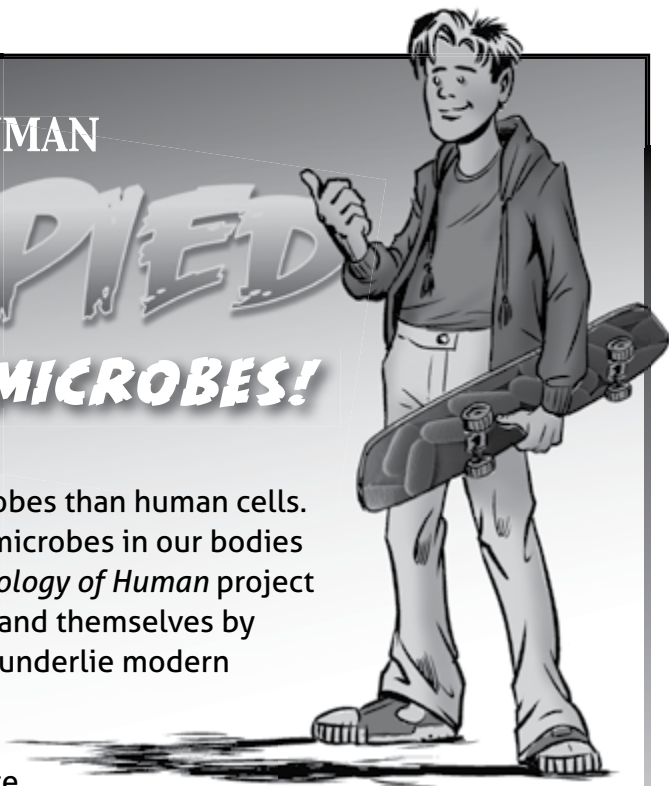


# *Biology of* HUMAN **OCCUPIED** **BY MICROBES!**

Our bodies are home to more microbes than human cells. The balance of helpful to harmful microbes in our bodies can make us sick or healthy. The *Biology of Human* project focuses on helping people understand themselves by exploring scientific principles that underlie modern research in human biology.

*Biology of Human* is an alliance of science educators, artists, science writers, and biomedical researchers working to increase public understanding about viruses and infectious disease.

For information see <http://biologyofhuman.unl.edu>.



## **Graphic Novel**

**Story by** Martin Powell, Rebecca Smith, & Judy Diamond

**Art by** Tom Floyd

**Inks & colors by** Nick Poliwko

## **App**

**Development by** Wa Kalonji, Nathan Kimmel, Mike Ravenelle, Zeth Schlenker, Jacob Armstrong, iLab, Department of Computer Science and Engineering, University of Nebraska–Lincoln

**Comic Narration by** Ford Clark, Adam Wagler and the students in the Microbe Maniacs afterschool program at Culler Middle School

**Text by** Ann Downer-Hazell, Rebecca Smith & Judy Diamond

**Evaluation by** Amy Spiegel

**Art and Production by** Angie Fox

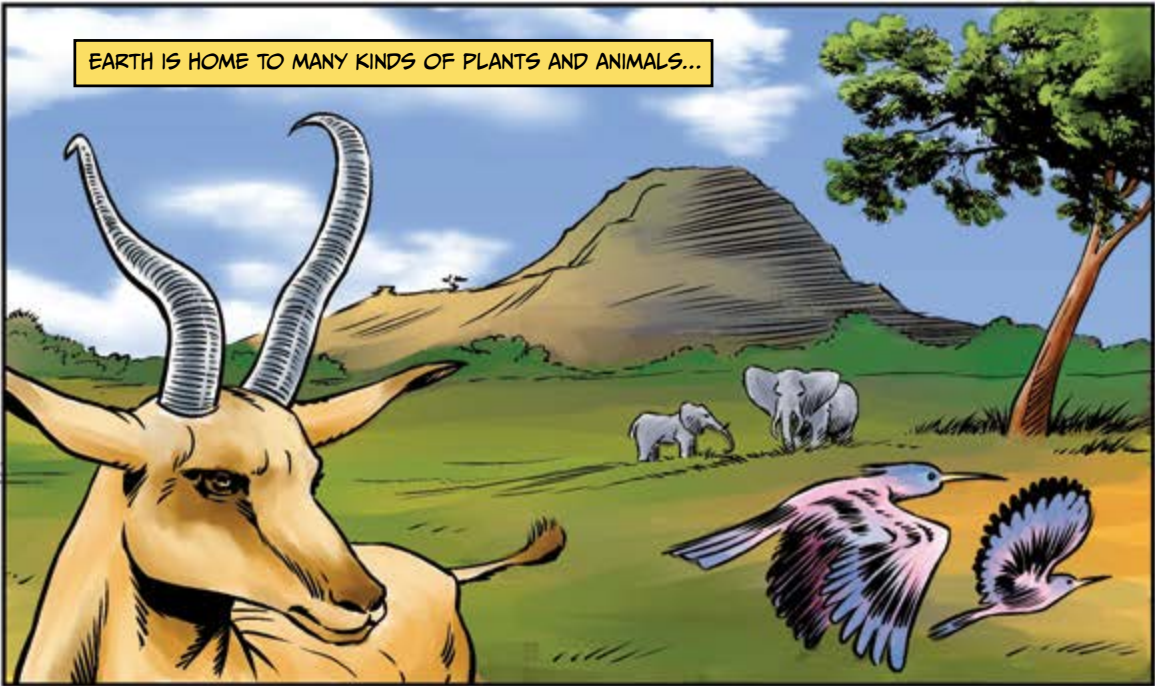
*World of Viruses* is funded by the National Institutes of Health through the Science Education Partnership Award (SEPA) Grant No. 1R25OD010506. Its content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institute of Health.

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OUR WORLD.



EARTH IS HOME TO MANY KINDS OF PLANTS AND ANIMALS...



...INCLUDING HUMANS.









I CAN'T HUNT  
FOR YOUR LOST  
SHOE NOW, MARIA.  
I'M LATE!

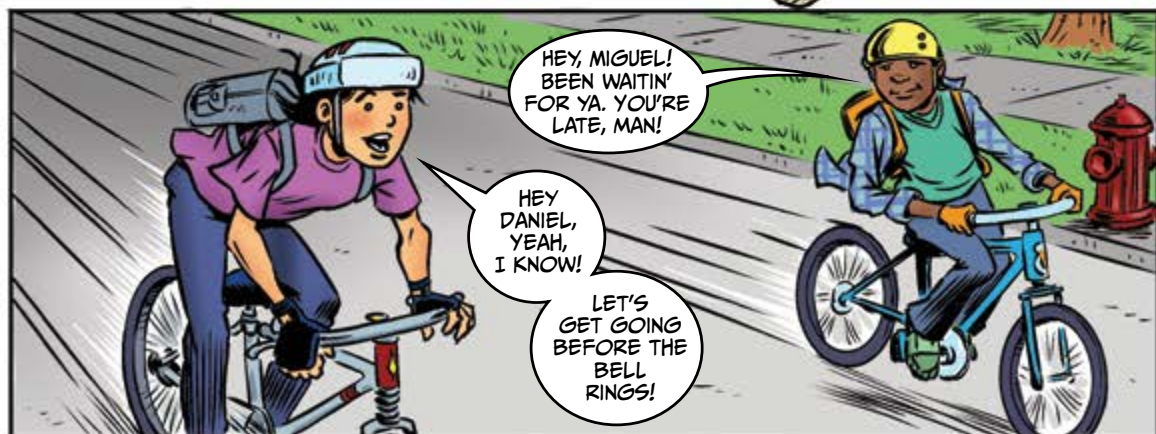
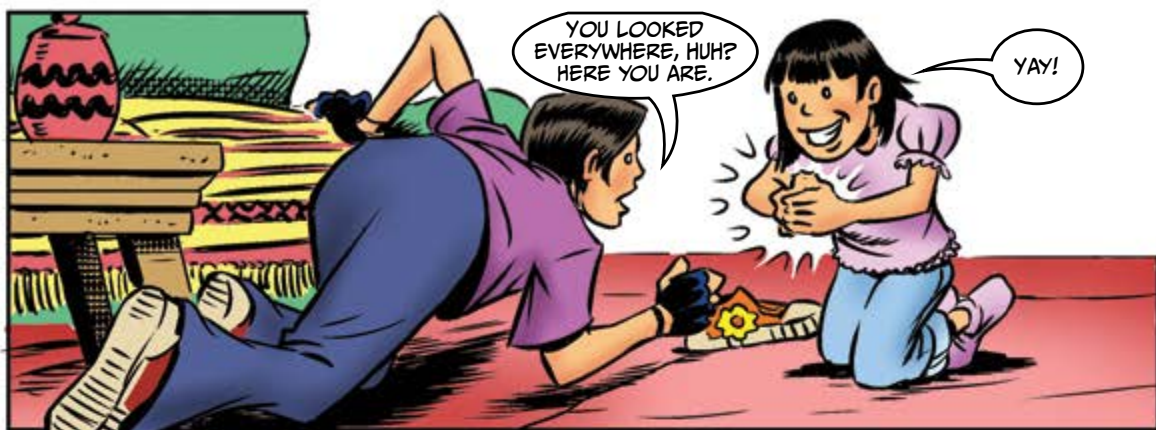
BUT  
I'VE LOOKED  
EVERYWHERE,  
MIGUEL...

IF  
YOU'D REALLY  
LOOKED EVERYWHERE,  
THEN YOU WOULD'VE  
ALREADY  
FOUND IT.

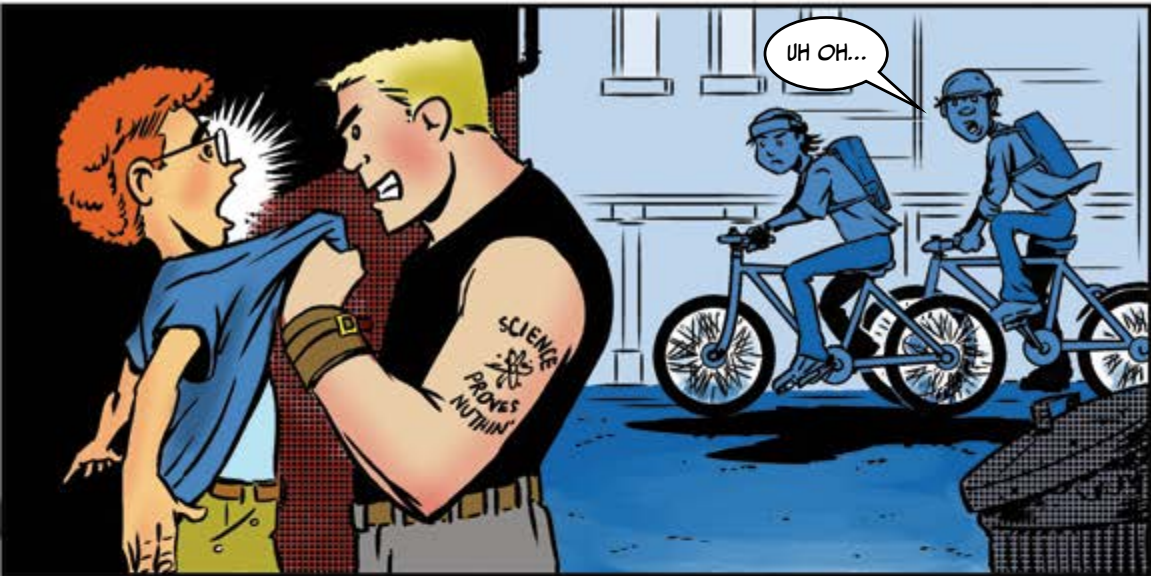
THAT'S  
NOT FUNNY.  
C'MON,  
HELP ME.

PLEEEEEEEASE?

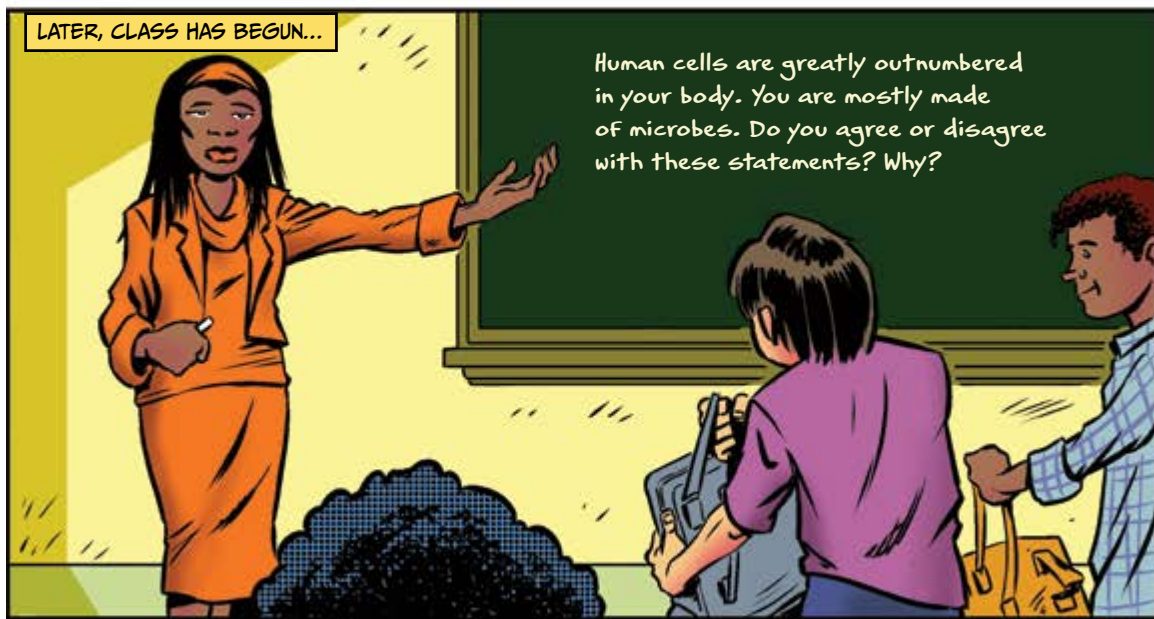




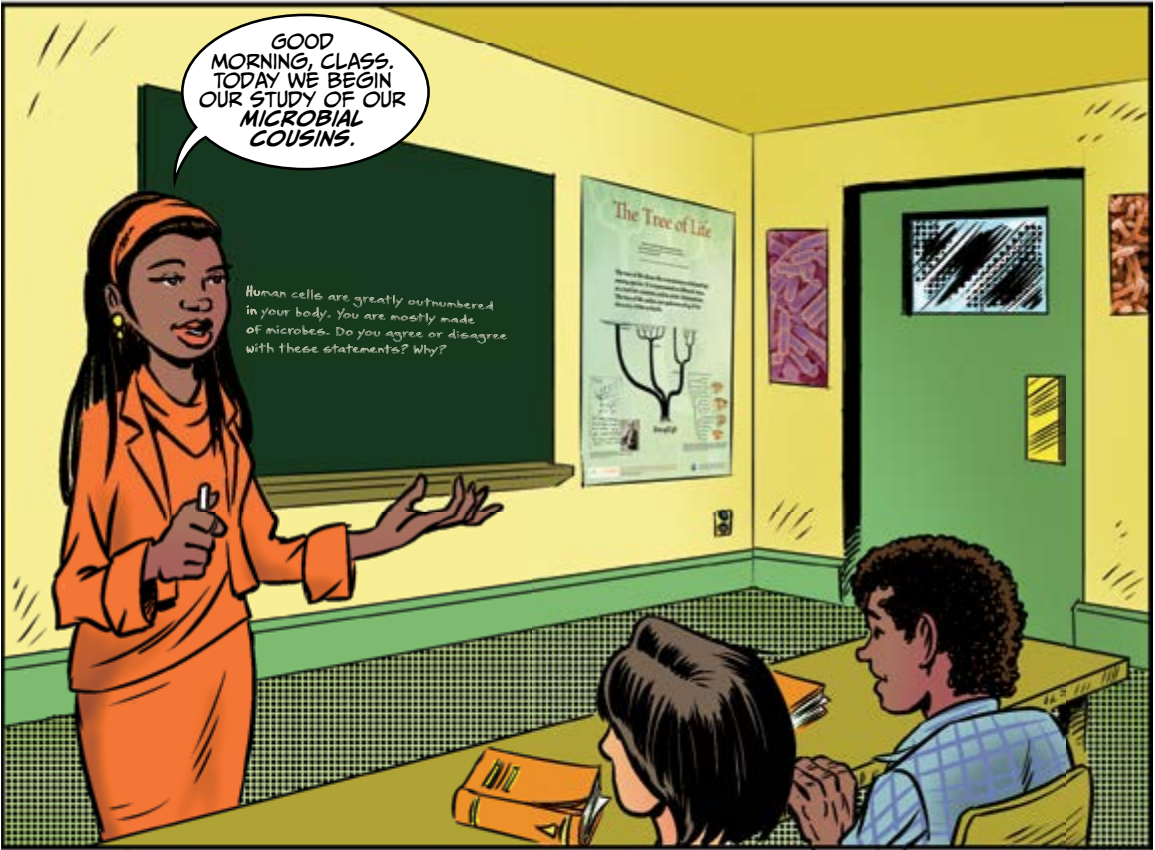








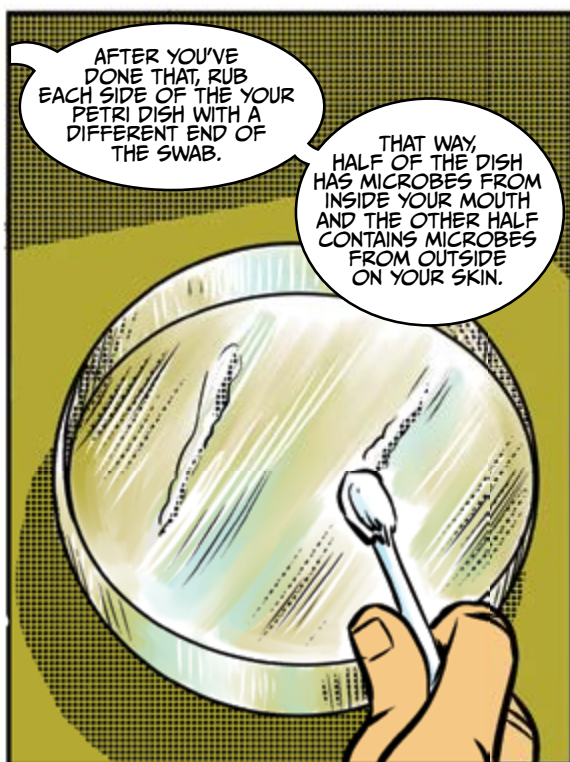




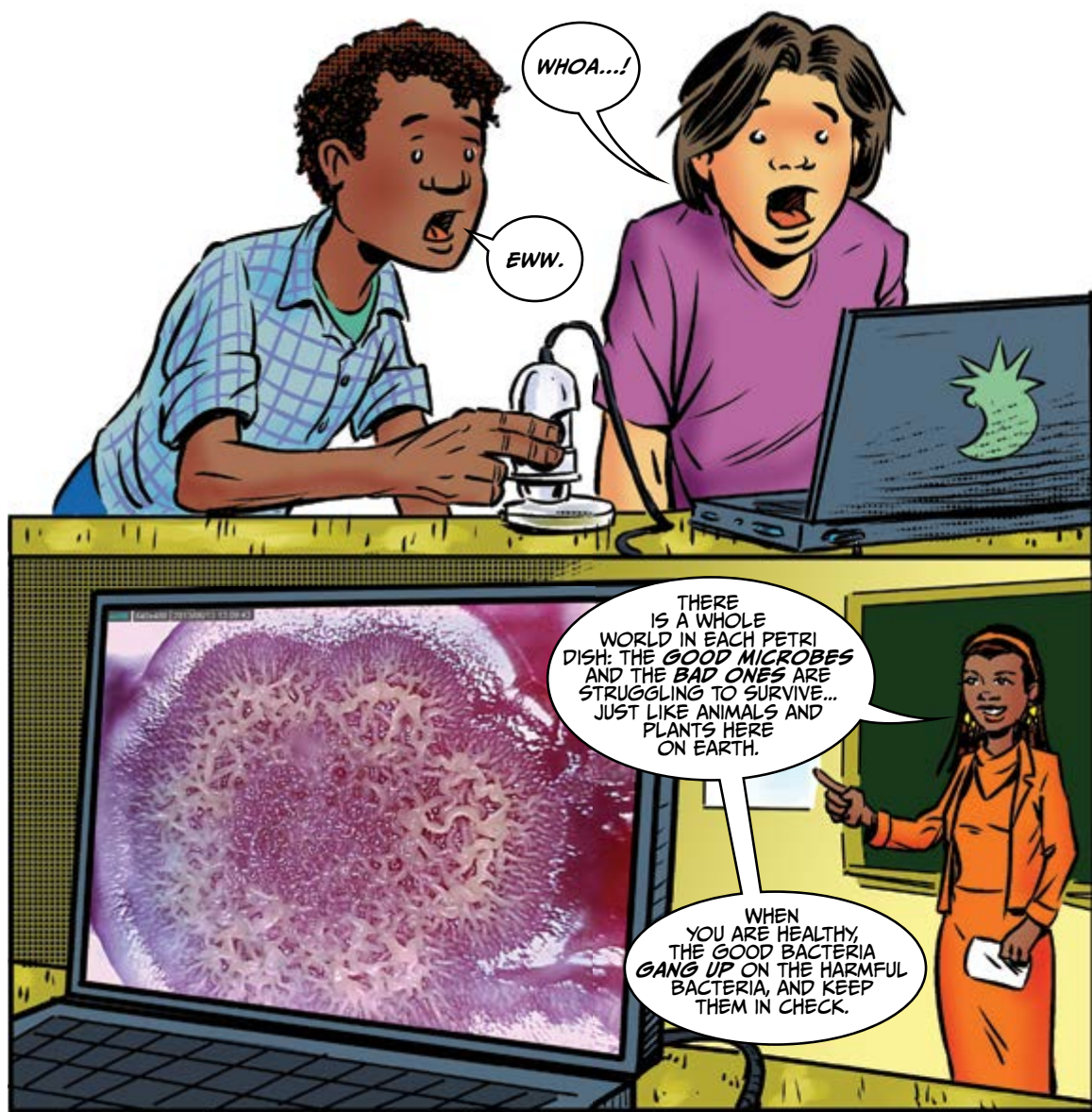
















YEE-OOWWW--!!

WHAT  
THE  
HECK -

-- IS  
GOING  
ON?!

WH-WHERE  
ARE WE??

SOMEHOW  
WE'VE **SHRUNK**  
DOWN INSIDE  
THE PETRI  
DISH...!



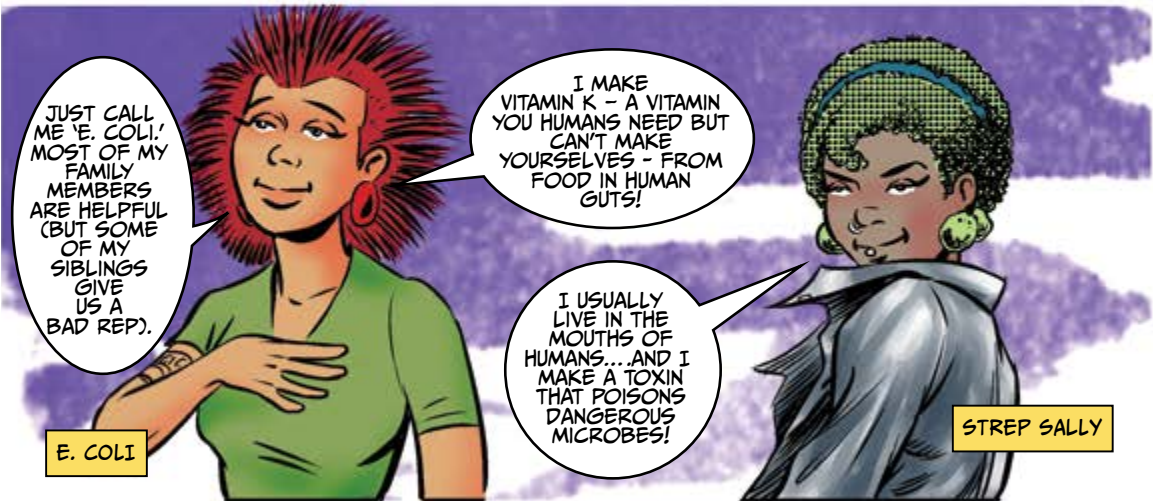


WE'RE  
IN THE WORLD  
OF THE  
MICROBES!

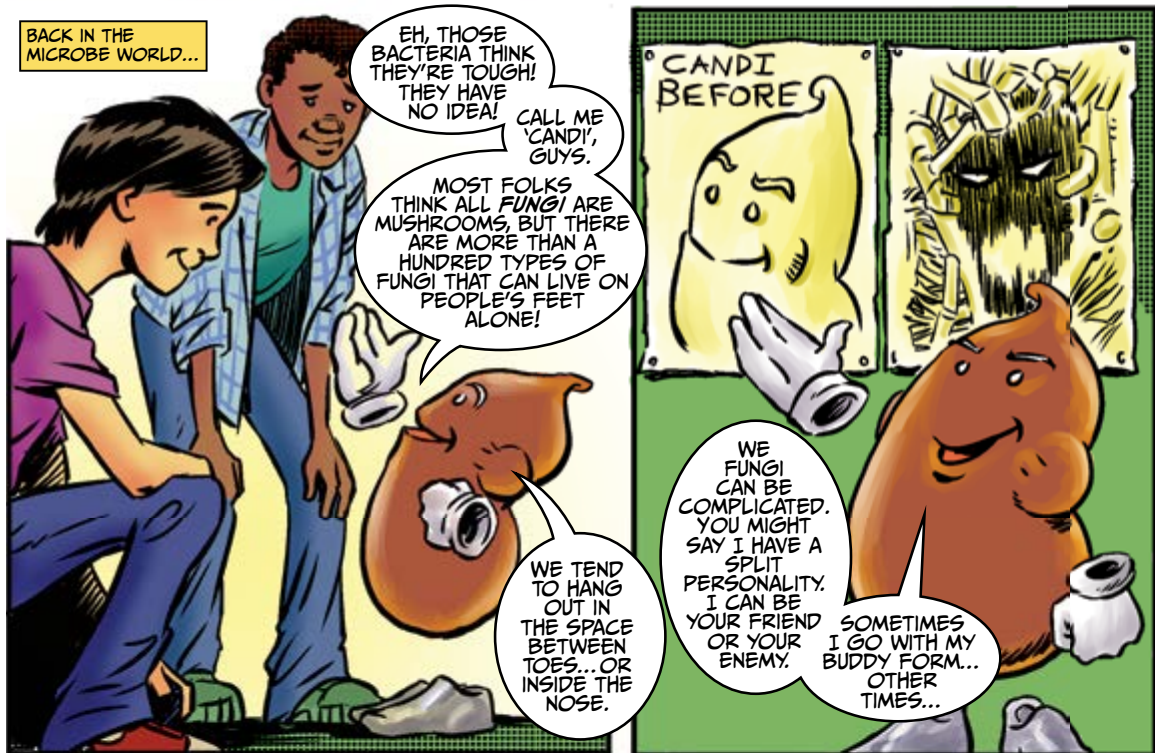
HI  
THERE.  
COME ON  
OVER.

I'M  
'THE ROID'!













A DOSE OF  
ANTIBIOTICS KNOCKS  
THE COMPETITION  
RIGHT OUT,  
BUT IT DOESN'T  
STOP ME!



...WITH NO  
BACTERIA IN THE  
WAY...MY TWO FORMS  
CAUSE DOUBLE  
TROUBLE...



...MORE POWERFUL  
THAN MANY OTHER  
MICROBES!





IN THE  
SICKEST PEOPLE,  
I CAN TURN INTO  
A DEADLY  
KILLER...

...CAPABLE OF  
INVADING NEARLY  
ALL BODY SYSTEMS  
AND ORGANS!!!













TO KEEP  
OUR HUMAN  
CELLS HAPPY, WE  
HAVE TO KEEP OUR  
MICROBES IN  
BALANCE.

THAT'S  
HOW WE  
STAY  
HEALTHY.

NOPE,  
I'M NOT  
GONE,  
GUYS.

I'M JUST  
WAITING FOR MY  
CHANCE TO GET THE  
UPPER HAND... AND  
TRANSFORM INTO  
MY OTHER SELF!

**THE END**