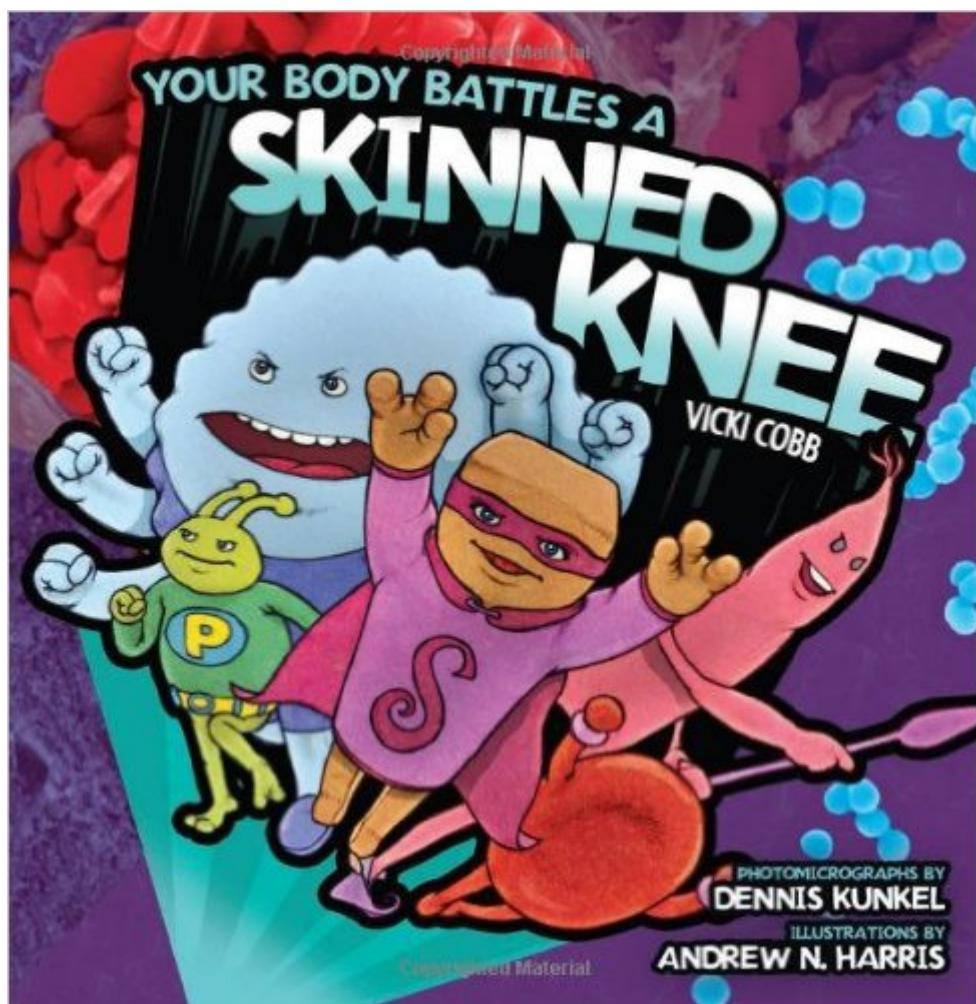


The book was found

# Your Body Battles A Skinned Knee



## **Synopsis**

Ouch! You know that a skinned knee hurts. But did you know that it's the start of a battle? Your body has to work quickly to protect you from a germ invasion. Nerve cells sound an alarm that you're hurt. Blood cells rush in to fight germs that come in through the scrape. And skin cells make brand-new skin for your knee. Before you know it, your cells have won the battle and you're as good as new. Get a close look at this body battle with comic illustrations and ground-breaking photomicrographs. The photomicrographs magnify the actual cellular processes tens of thousands of times, offering you a front-row seat for all the action.

## **Book Information**

Lexile Measure: 800L (What's this?)

Series: Body Battles

Library Binding: 32 pages

Publisher: Millbrook Press (March 1, 2009)

Language: English

ISBN-10: 0822568144

ISBN-13: 978-0822568148

Product Dimensions: 9 x 0.3 x 9 inches

Shipping Weight: 12 ounces (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 starsÂ  See all reviewsÂ  (5 customer reviews)

Best Sellers Rank: #1,313,349 in Books (See Top 100 in Books) #98 inÂ  Books > Children's Books > Growing Up & Facts of Life > Health > Physical Disabilities #753 inÂ  Books > Children's Books > Education & Reference > Science Studies > Biology #868 inÂ  Books > Medical Books > Medicine > Internal Medicine > Physical Medicine & Rehabilitation

Age Range: 7 - 10 years

Grade Level: 2 - 5

## **Customer Reviews**

It's crying time. Well, not always, but if you scrape your knee it can be really upsetting. There are a lot of things that go on when you scrape your knee aside from the Band-Aid and a tad of antiseptic ointment you slap on it. Your body immediately begins to heal itself as "different parts of your body work together as a team" to stem the flow of blood and repair you knee. The five "superheroes" involved in this particular process are platelets, skin cells, blood cells, macrophages and nerve cells. As you learn about this amazing process, you will also see some amazing photomicrographs

that were "taken with a scanning electron microscope (SEM)." Once you scrape that knee you lose skin cells that need to be replaced and repaired. Of course you're going to know they're missing when your nerve cells scream to your brain, traveling more than 200 miles an hour, to let you know. When you shed some blood some capillaries or blood vessels are torn and these also are in need of repair. The whole thing can be a big mess, but you'll learn just how your body repairs itself. You learn about and see photographs of blood cells, platelets, fibrin, cell division, staphylococcus and rod-shaped bacteria (YUK!), germ multiplication and macrophages. AND you'll be told to disinfect that scrape and put on that Band-Aid! This is an excellent way to painlessly introduce microbiology. The photomicrographs are fantastic and the cartoon superheroes will nudge even the most reluctant reader through the book to the end. In the back of the book is a glossary, an index and additional recommended book and internet resources. This is one in a series of six Body Battlefields books. If you have a body battle, you might as well know what's going on!

I am in medicine and naturally was drawn to this book at the library. My 7yo son loves it. He read it cover to cover 4 times and told me about all the interesting things he learned. He is a very good reader, but typically gravitates more toward easy reading fiction. This book was the perfect level for him. He was sad to see us return it to library and equally as excited to get a new one on Earaches. The mix of cartoons and really photos was done very well.

This book is a fantastic resource for parents teaching their child about germs, personal hygiene, and the body. My 4 year old cannot get enough of the real life and cartoon pictures of blood cells, nerves, and other gross, yet fun, toddler topics.

Helps kids understand how their bodies heal a skinned knee.

My son is 4 and we both learned from this book and LOVED it!! We borrowed it from the library and now are going to be buying copies for our house and our "new" library since we moved!!! So great at explaining in an easy, fun way to understand!! Thank you Vicki Cobb!!!

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