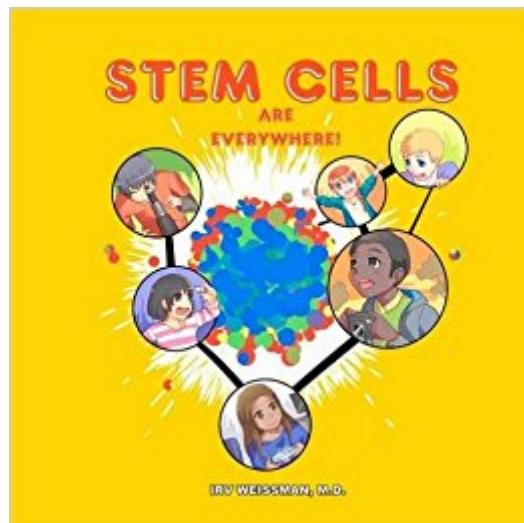


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# Stem Cells Are Everywhere



## **Synopsis**

An engaging introduction to stem cells for young scientists Â How do you heal when you cut your skin or break a bone? How does your body keep making new blood or brain cells, or even second teeth? How does a plant keep growing larger? The answers lie in stem cells, which are found in every growing plant and animal. Keeping the subject simple enough for young readers, a pioneer of stem cell research explains cells, tissues, normal growth, what can go wrong, and how to fix it.

## **Book Information**

Paperback: 46 pages

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Age Range: 7 - 9 years

Grade Level: 2 - 4

## **Customer Reviews**

Irv Weissman, MD, is the director of the Institute for Stem Cell Biology and Regenerative Medicine at Stanford University. A member of the National Academy of Sciences, he was the first to purify blood-forming stem cells in both mice and humans. He is a winner of the Robert Koch prize and the Lewis S. Rosenstiel Award for Distinguished Work in Basic Medical Science. He lives in Palo Alto, California.

My 8 year old absolutely loves this book! Well written, easily understood and with illustrations she just loves. She brought it everywhere with her for weeks and read it to everyone who would listen to her. I'm sure she even taught a few of my friends and family members a thing or two.

My 5 years old love to read this book. Nicely written.

Stem Cells Are Everywhere is an engaging introduction to scientific inquiry for young advanced readers. It is often difficult for parents to find books of this caliber for early readers of high intellectual ability; but this book fills the bill on every level. In a world where there is an increasing need for young people to consider STEM field careers, it is encouraging to find a book such as this available to provide a glimpse into a subject many people find complex; but explained in very elementary terms. The illustrations are extraordinary and appealing to young children which further enlightens the topic of stem cells. It is appropriate for both home libraries as well as school classrooms. The distinguished author, Dr Irving L Weissman, is the Director of the Stanford Medicine Institute for Stem Cell Biology and is donating all royalties to stem cell research. Stem Cells Are Everywhere is another contribution from publisher Tumblehome Learning that highlights this publisher's commitment to producing high quality reading materials for children of all ages.

Fills a real need-- a children's picture book about stem cell research! Clear, understandable, illustrated with color manga, "Stem Cells Are Everywhere" is written by pioneering stem cell researcher Irv Weissman of Stanford. With a gentle tone, Weissman guides the reader along, putting complicated science into a child's vocabulary. Particularly useful for an elementary school library-- kids will pick it up-- also valuable for anyone who has ever been asked, "What are stem cells?"--Don C. Reed, author of "Stem Cell Battles: Proposition 71 and Beyond".

Sometimes when answering our children's questions from memory we come up short. How current is your knowledge of anatomy? This book explains the role of stem cells in forming and repairing our bodies. It is full of fun manga-style illustrations. The picture of differently untangled strands of chromosomes shows how cells can be different even with the same DNA. Could we someday use stem cells to regrow body parts as easily as starfish regrow their arms and lizards their tails? After reading this book I want to learn more.

It's disguised as a children's book, but if you're like me and haven't been in a science classroom since you graduated, I guarantee you'll learn something new. Discoveries we hadn't even made yet when I was in high school 20 years ago are simplistically explained in this delightful and scientifically accurate children's book. Dr. Weissman, already a prolific author of many seminal scientific publications, breaks new ground yet again with this first-of-its-kind book, bringing the exciting field

of stem cell research to second-graders around the country.

This book will leap-frog you and the kids you know into the fascinations of stem cells, their science and their possibilities. Our 6 1/2 year old first grade grandchildren, a girl and a boy, read to themselves and aloud, re-read and then re-re-read with any available adult. They were intrigued by the concepts, words and drawings. All are bright and accurate. This is no surprise, given the stature of the author and illustrators. We all are charmed by the touches of the West that highlight the author's life and this book. The gender and racial equity in illustrations are refreshing, too. This is a perfect gift for birthday, any holiday, and travels.

Stem Cells Are Everywhere is a book that should be in every elementary school library. In this book, the authors guide young readers through the world of stem cell biology as it is understood in 2016. The basic concepts of cell biology, genetics and genomics are introduced and become a basis of understanding of how stem cells work in our bodies. This book is a key to science literacy for elementary school level students.

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