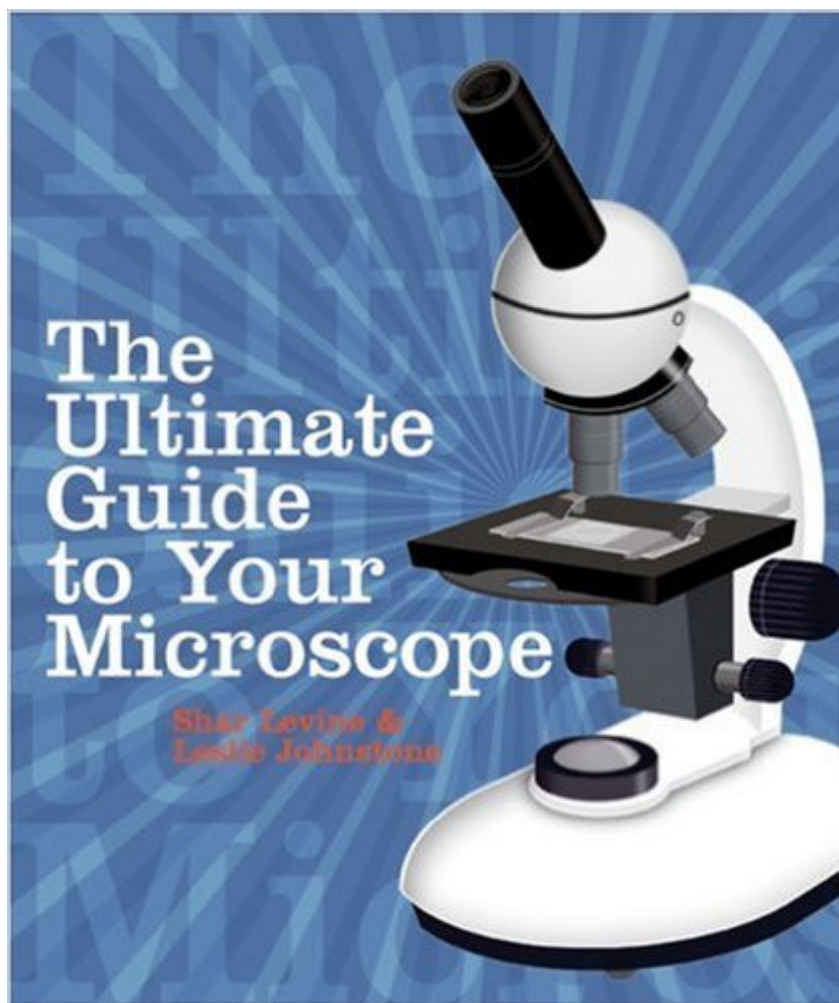


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# The Ultimate Guide To Your Microscope



## Synopsis

Looking at little things&#151;things too small to see with the naked eye&#151;can be big fun. Itâ€™s certainly smart science, and award-winning authors Shar Levine and Leslie Johnstone are here to show kids the basics of creating their own professional-quality slides and using their own microscopes. A whole world will open up to budding scientists as they learn to identify the microscopeâ€™s different pieces, practice focusing, and prepare different kinds of samples for viewing. Illustrated throughout with photomicrographs (pictures taken through a microscope), and complete with a reproducible form for documenting specimens, this fascinating, in-depth guide explains how to put bugs, water, food, plants and pollen, and even parts of the body (like fingernails) under the scope for a close-up glimpse. Of course, there are troubleshooting answers to common questions and safety instructions for parents and teachers, too.

## Book Information

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Average Customer Review: 4.5 out of 5 starsÂ Â See all reviewsÂ (61 customer reviews)

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Age Range: 10 and up

Grade Level: 5 and up

## Customer Reviews

This is an absolutely delightful book! In 144 pages geared for reading children it is packed with the marvels of microscopy. Always careful to point to safety rules, and especially requesting adult supervision where it is most important, this book informs the curiosity of the youngsterâ€™and maybe the adult tooâ€™about the tiny world that can be seen beneath the inspection lens. The authors, Shar Levine and Leslie Johnstone, provide the reader with information, expressed in simple, understandable terms, on how to use a microscope, how to make a microscope mount on a glass

slide, how to cut a thin section with a microtomeâ ”even how to make ones own microtome--and how to draw in a dye to color the object under the lens so that it may be seen more clearly. Each project has this basic outline: a list of what is needed, what to do, and what was seen. Periodically, throughout the book there are sections giving special information on useful microscopic techniques, â œDid you know?â •, on science fair projects, on particular pieces of equipment, on microscopic features, on DNA, on cells and other interesting items. It touches base with both the plant world and the animal world and presents projects to the budding â œdetectiveâ • on how their results might apply to the important field of forensic studies. There is a very useful glossary toward the end of the book, but very often technical terms are defined in the body of the context of discussion. There is also a chart of metric equivalents as well as a general index to the book. The book is generously sprinkled throughout with informative photomicrographs most of which are in color. But this sampling is but a very small contribution to the education about micro-life.

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