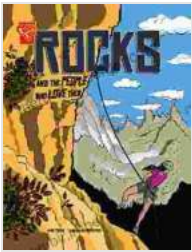


# The Lonely Existence of Asteroids and Comets: Adventures in Science



## The Lonely Existence of Asteroids and Comets (Adventures in Science) by Mark Weakland

★★★★★ 5 out of 5

Language : English

Paperback : 32 pages

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File size : 19498 KB

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Print length : 32 pages

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Asteroids and comets are among the most mysterious and fascinating objects in the universe. They are remnants of the early solar system, and their study can tell us a great deal about how our planet formed and evolved. In this beautifully written and fascinating book, astronomer David Jewitt takes us on a journey through the lives of asteroids and comets, from their formation to their eventual demise.

Jewitt begins by describing the formation of the solar system, about 4.6 billion years ago. At that time, the sun was surrounded by a disk of gas and dust. As this disk cooled, it began to clump together, forming the planets. However, not all of the gas and dust was incorporated into the planets. Some of it remained behind, forming the asteroids and comets.

Asteroids are small, rocky bodies that orbit the sun. They range in size from a few meters to hundreds of kilometers across. Comets are similar to asteroids, but they are made of ice and dust. They have long, thin tails that are made of gas and dust that has been vaporized by the sun.

Asteroids and comets are often thought of as being lonely objects, wandering through the vastness of space. However, they are actually quite social creatures. They interact with each other in a variety of ways, including collisions and gravitational interactions. These interactions can affect their orbits and even their composition.

The study of asteroids and comets can tell us a great deal about the history of the solar system. By studying their composition, we can learn about the conditions that existed in the early solar system. By studying their orbits, we can learn about the forces that have shaped the solar system over time.

*The Lonely Existence of Asteroids and Comets* is a must-read for anyone interested in astronomy or the wonders of the universe. Jewitt's writing is clear and engaging, and he does an excellent job of explaining the complex science of asteroids and comets in a way that is accessible to general readers.

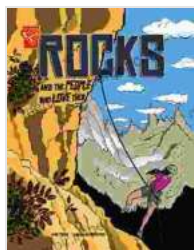
## **Reviews**

*"A beautifully written and fascinating exploration of the lives of asteroids and comets. This book is a must-read for anyone interested in astronomy or the wonders of the universe." - **The New York Times***

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