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Trailer Big Bang \u0026 Birth of the Earth
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Ultimasaurus, Zilla, Mammoth ? Jurassic
World Evolution T-rex Battle IF ! the
~~world ended (read description!) How The~~
~~T Rex Got Over The Giant Drop Off In~~
~~Jurassic Park Experience the Disaster that~~
~~Wiped Out Dinosaurs All New T.Rex~~

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~~Skins Showcase!! - Return to Jurassic Park~~

~~Showcase DLC Tyrannosaurus Rex,~~

~~Mosasaur, Ultimasaurus, Zilla, Mammoth~~

~~? Jurassic World Evolution T-rex Battle~~

~~The Definitive Pop-Up Book~~

~~"Encyclopedia Prehistorica Dinosaurs"~~

~~by Robert Sabuda & Matthew~~

~~Reinhart the making of Earth and Moon~~

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~~Alvarez~~ Of The Mountain Cometh (B
Side) *Tiny T. Rex and the Very Dark Dark
Tyrannosaurus Rex (Meet the Dinosaurs) /
T-Rex for Kids / Read Aloud* **T-Rex Is
Missing! | Rhino Read Aloud Book ABC
T-REX by Bernard Most | Story Time Pals
| Kids Books Read Aloud | "How To Be A
T. Rex" Book Giveaway** How The T-

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~~Rex Attacked The River Raft - Michael
Crichton's Jurassic Park T. Rex Parade: A
Short Film About A Book About A Parade
WORLD'S BIGGEST T-REX! T Rex And
The Crater~~

T. rex and the Crater of Doom is a
nonfiction book by professor Walter
Alvarez that was published by Princeton

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University Press in 1997. The book discusses the research and evidence that led to the creation of the Alvarez hypothesis, which explains how an impact event was the main cause that led to the Cretaceous–Paleogene extinction event .

~~T. Rex and the Crater of Doom~~

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Wikipedia

Despite its rather sensationalistic title, T. Rex and the Crater of Doom provides a very nice overview of the asteroid impact which caused the extinction of the dinosaurs (and other species) 65 million years ago. It also describes the scientific investigation which led up to the theory

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development and the subsequent search for the impact crater.

~~T. Rex and the Crater of Doom by Walter
Álvarez~~

T. rex and the Crater of Doom gets the facts across in a lighthearted, almost playful manner. But it's also solid science,

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Alvarez a clear and efficient exposition that conveys plenty of cogent detail while keeping an eye on the subtle interplay of thought, action, and personality that makes scientific research such arresting human behavior. . . .

~~T.rex and the Crater of Doom (Princeton~~

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~~Science Library ...~~

Author Walter Alvarez wrote in the Preface to this 1997 book, "This book is the story of how Earth historians uncovered the evidence for one great catastrophe in the Earth's past---the impact of a huge rock that fell from outer space 65 million years ago, excavating an

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Alvarez
enormous crater in the Yucatán Peninsula of Mexico and causing such disturbance to the environment that a wide variety of plants and animals perished forever.

~~T. rex and the Crater of Doom by Alvarez,
Walter (1997 ...~~

Awards and Recognition. One of New

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Alvarez
York Times Notable Books for 1997.

Walter Alvarez is professor of geology at the University of California, Berkeley. "

[D]eft and readable . . . T. rex and the Crater of Doom gets the facts across in a lighthearted, almost playful manner.

~~T. rex and the Crater of Doom | Princeton~~

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~~University Press~~

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~~T. Rex and the Crater of Doom by Walter~~

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~~Alvarez (Trade ...~~

One of the great mysteries is what happened to the dinosaurs, and it has taken great detective work to give us an answer. In T. Rex and the Crater of Doom, some brilliant, not to mention determined, scientists roam the world and seek out the clues. What they conclude is that the earth

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Alvarez
withstood a colossal impact with a meteor
(or perhaps a comet) 65 million years ago.

~~T. rex and the Crater of Doom (Princeton
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When we do the bookkeeping, we find that
the energy of motion of the comet just
before impact was equivalent to the

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Alvarez of 100 million megatons of TNT, sufficient to vaporize the comet in...

~~T. Rex and the Crater of Doom - The New York Times~~

T. REX AND THE CRATER OF DOOM.
by Walter Alvarez ? RELEASE DATE:
May 1, 1997. An explanation of the end of

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the dinosaurs, by the Berkeley geologist who helped promulgate the theory. At first widely doubted, the idea is now gospel: Sixty-five million years ago, a comet or asteroid about the size of Mt. Everest slammed into the Yucatán not far from present-day Cancún, wiping out at least half of the species on earth.

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~~T. REX AND THE CRATER OF DOOM |~~

~~Kirkus Reviews~~

In T. rex and the Crater of Doom, the story of the scientific detective work that went into solving the mystery is told by geologist Walter Alvarez, one of the four Berkeley scientists who discovered the

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Alvarez
first evidence for the giant impact. It is a saga of high adventure in remote parts of the world, of patient data collection, of lonely intellectual struggle, of long periods of frustration ended by sudden breakthroughs, of intense public debate, of friendships made or lost, of the ...

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~~Project MUSE "T. rex" and the Crater of
Doom~~

T. Rex and the Crater of Doom. By:
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In T. rex and the Crater of Doom, the story of the scientific detective work that went

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Alvarez into solving the mystery is told by geologist Walter Alvarez, one of the four Berkeley scientists who discovered the first evidence for the giant impact. It is a saga of high adventure in remote parts of the world, of patient data collection, of lonely intellectual struggle, of long periods of frustration ended by sudden

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breakthroughs, of intense public debate, of friendships made or lost, of the ...

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T. Rex and the Crater of Doom book by
Walter Álvarez. Science & Math Books >
Paleontology Books.

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~~T. Rex and the Crater of Doom book by
Walter Álvarez~~

T. rex and the Crater of Doom. I read and greatly enjoyed Steve Brusatte's The Rise and Fall of the Dinosaurs back in the fall, and made a note to pick up a book to which he referred many times, Walter Alvarez's delightfully titled T. rex and the

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Crater of Doooooooooom (I may have added a few o's there).

~~T. rex and the Crater of Doom. Keith
Law~~

In T. rex and the Crater of Doom , the story of the scientific detective work that went into solving the mystery is told by

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Alvarez geologist Walter Alvarez, one of the four Berkeley scientists who discovered the first evidence for the giant impact.

~~T. rex and the Crater of Doom by Walter Alvarez (1997 ...~~

T. rex and the Crater of Doom Walter Alvarez. Preface. x Discusses blending of

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uniformitarianism and catastrophism. xi
Privilege of being involved from the first
discovery. 10 years of looking for the
crater and the 91 discovery of the Yucatan
crater. Chapter 1 Armageddon. p4 150
million years of stability before
"Armageddon".

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~~T.rex and the Crater of Doom - Georgia
State University~~

Unless you were a T. rex or cousin.
Combining this book with David
Montgomery's "The Rocks Don't Lie",
Jared Diamond's "Guns, Germs, and Steel:
The Fates of Human Societies", David
Reich's "Who We Are and How We Got

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Here: Ancient DNA and the New Science of the Human Past" and a few others will reinforce that life is both fragile and tenacious.

~~Amazon.com: Customer reviews: T. rex
and the Crater of Doom~~

Beginning with the tragedy of the mass

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Alvarez extinction of T-Rex and so many of the other dinosaurs which called earth home 65 million years ago, Alvarez moves through what is essentially a scientific mystery, exploring and explaining the false starts, the twists, and all of the assumptions, understandings, and discoveries which eventually led to not

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only faith in the impact theory, but to the discovery of the site of the impact at the Chicxulub Crater.

Sixty-five million years ago, a comet or asteroid larger than Mount Everest slammed into the Earth, inducing an

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Alvarez explosion equivalent to the detonation of a hundred million hydrogen bombs.

Vaporized detritus blasted through the atmosphere upon impact, falling back to Earth around the globe. Disastrous environmental consequences ensued: a giant tsunami, continent-scale wildfires, darkness, and cold, followed by sweltering

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Alvarez greenhouse heat. When conditions returned to normal, half the plant and animal genera on Earth had perished. This horrific chain of events is now widely accepted as the solution to a great scientific mystery: what caused the extinction of the dinosaurs? Walter Alvarez, one of the Berkeley scientists

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Alvarez who discovered evidence of the impact, tells the story behind the development of the initially controversial theory. It is a saga of high adventure in remote locations, of arduous data collection and intellectual struggle, of long periods of frustration ended by sudden breakthroughs, of friendships made and

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lost, and of the exhilaration of discovery that forever altered our understanding of Earth's geological history.

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Sixty-five million years ago, a comet or asteroid larger than Mt. Everest slammed into the Earth, causing an explosion equivalent to the detonation of a hundred million hydrogen bombs. Vaporized

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Alvarez and debris from the impact site were blasted out through the atmosphere, falling back to Earth all around the globe. Terrible environmental disasters ensued, including a giant tsunami, continent-scale wildfires, darkness, and cold, followed by sweltering greenhouse heat. When conditions returned to normal, half the

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Alvarez genera of plants and animals on Earth had perished. This horrific story is now widely accepted as the solution to a great scientific murder mystery: what caused the extinction of the dinosaurs? In T. rex and the Crater of Doom, the story of the scientific detective work that went into solving the mystery is told by geologist

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Walter Alvarez, one of the four Berkeley scientists who discovered the first evidence for the giant impact. It is a saga of high adventure in remote parts of the world, of patient data collection, of lonely intellectual struggle, of long periods of frustration ended by sudden breakthroughs, of intense public debate, of

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friendships made or lost, of the exhilaration of discovery, and of delight as a fascinating story unfolded. Controversial and widely attacked during the 1980s, the impact theory received confirmation from the discovery of the giant impact crater it predicted, buried deep beneath younger strata at the north coast of the Yucatán

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Peninsula. The Chicxulub Crater was found by Mexican geologists in 1950 but remained almost unknown to scientists elsewhere until 1991, when it was recognized as the largest impact crater on this planet, dating precisely from the time of the great extinction sixty-five million years ago. Geology and paleontology,

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sciences that long held that all changes in Earth history have been calm and gradual, have now been forced to recognize the critical role played by rare but devastating catastrophes like the impact that killed the dinosaurs.

This book tells the story of the

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Alvarez catastrophic impact of the giant 10 Km asteroid Chicxulub into the ancient Gulf of Mexico 65.5 million years ago. The book begins with a discussion of the nature of asteroids and the likelihood of future Earth-impacts. The story then turns to the discovery of a global sediment layer attributed to the fallout from the impact

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Alvarez and a piecing together of the evidence that revealed a monster crater, buried under the Gulf. Reviewed is the myriad of geological and fossil evidence that suggested the disastrous sequence of events occurring when a "nuclear-like" explosion ripped through the sea, Earth, and atmosphere, thus forming the mega-

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Alvarez
crater and tsunami. The aftermath of the Chicxulub's event initiated decades and more of major global climate changes including a "Nuclear Winter" of freezing darkness and blistering greenhouse warming. A chapter is dedicated to the science of tsunamis and their model generation, including a portrayal of the

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Alvarez globally rampaging Chicxulub waves. The asteroid's global devastation killed off some 70% of animal and plant life including the dinosaurs. The study of an ancient Cambrian fossil bed suggests how "roll of the dice" events can affect the future evolution of life on Earth. We see how Chicxulub's apparent destruction of

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Alvarez
the dinosaurs, followed by the their replacement with small mammals, altered forever the progress of human evolution. This book presents a fascinating glimpse through the lens of the natural sciences - the geology, climatology, and oceanography, of the effects of an enormous astronomical event.

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Investigates the idea that the natural disaster many scientists suspect caused the extinction of the dinosaurs occurred near Puerto Chicxulub, Mexico, when an asteroid collided with Earth, releasing deadly amounts of energy.

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Alvarez
One of the scientists who discovered the first evidence of a giant impact relates the story of the scientific investigation that revealed the cause of the great extinction sixty-five million years ago

"A thrilling synthesis from a brilliant scientist who discovered one of the most

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Alvarez chapters in our history." —Sean B. Carroll Big History, the field that integrates traditional historical scholarship with scientific insights to study the full sweep of our universe, has so far been the domain of historians. Famed geologist Walter Alvarez—best known for the “Impact Theory” explaining dinosaur

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Alvarez—has instead championed a science-first approach to Big History. Here he wields his unique expertise to give us a new appreciation for the incredible occurrences—from the Big Bang to the formation of supercontinents, the dawn of the Bronze Age, and beyond—that have led to our improbable place in the universe.

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An illustrated record book of theropod facts and figures—from the biggest to the fastest to the smartest The theropod dinosaurs ruled the planet for millions of years, with species ranging from the mighty Tyrannosaurus rex to feathered raptors no bigger than turkeys. Dinosaur

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Facts and Figures is a stunningly illustrated book of records for these marvelous creatures—such as the biggest, the smallest, and the fastest theropods, as well as the ones with the most powerful bite. This one-of-a-kind compendium features more than 3,000 records, covers some 750 theropod species, and includes a

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wealth of illustrations ranging from diagrams and technical drawings to full-color reconstructions of specimens. The book is divided into sections that put numerous amazing theropod facts at your fingertips. “Comparing Species” is organized by taxonomic group and gives comparisons of the size of species, how

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Alvarez long ago they lived, and when they were discovered. “Mesozoic Calendar” includes spreads showing the positions of the continents at different geological time periods and reconstructions of creatures from each period. “Prehistoric Puzzle” compares bones, teeth, and feathers while “Theropod Life” uses vivid, user-friendly

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graphics to answer questions such as which dinosaur was the smartest and which had the most powerful bite. Other sections chart theropod distribution on the contemporary world map, provide comprehensive illustrated listings of footprints, compile the physical specifications of all known theropods and

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Mesozoic birds, and much more. The essential illustrated record book for anyone interested in dinosaurs Features thousands of records on everything from the smartest and fastest theropods to the largest theropod eggs Includes more than 2,000 diagrams and drawings and more than 300 digital reconstructions Covers

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Alvarez
more than 750 theropod species, including
Mesozoic birds and other
dinosauriforms Provides detailed
listings of footprints, biometric
specifications, and scholarly and popular
references

“The focus is the most severe mass

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Alvarez extinction known in earth's history. The science on which the book is based is up-to-date, thorough, and balanced. Highly recommended.” —Choice Today it is common knowledge that the dinosaurs were wiped out by a meteorite impact 65 million years ago that killed half of all species then living. It is far less widely

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Alvarez understood that a much greater catastrophe took place at the end of the Permian period 251 million years ago: at least ninety percent of life on earth was destroyed.

When Life Nearly Died documents not only what happened during this gigantic mass extinction but also the recent renewal of the idea of catastrophism: the theory

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Alvarez
that changes in the earth's crust were brought about suddenly in the past by phenomena that cannot be observed today. Was the end-Permian event caused by the impact of a huge meteorite or comet, or by prolonged volcanic eruption in Siberia? The evidence has been accumulating, and Michael J. Benton gives his verdict at the

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end of the volume. The new edition brings the study of the greatest mass extinction of all time thoroughly up-to-date. In the twelve years since the book was originally published, hundreds of geologists and paleontologists have been investigating all aspects of how life could be driven to the brink of annihilation, and especially how

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life recovered afterwards, providing the foundations of modern ecosystems.

Refutes the commonly accepted theory explaining the extinction of the dinosaurs and offers an alternative explanation for the mass extinctions that occurred at the end of the Cretaceous period

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