



## The Birth & Death of the Sun: Stellar Evolution and Subatomic Energy

By George Gamow

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How did our sun come into being? What keeps it hot and luminous, and what will be its ultimate fate? This fascinating and informative book offers answers to some of nature's most exciting and difficult questions. George Gamow, renowned physicist and author of the best-seller *One Two Three . . . Infinity*, outlines the fundamental discoveries and theories of modern physics that illuminate the evolution of our world.

One of the founders of Big Bang theory, Gamow traces the anatomy of matter in terms of modern physics. In language that's both scientifically accurate and simple enough for nonspecialists, he explains the development of atomic theory from its earliest articulation by Democritus in 375 B.C. through studies of nuclear reactions and radioactive decay. Along the way, Gamow discusses the formation of the stars and planets, the nature of red and white dwarfs, the dimensions of our stellar system, the infinity of space, and other fascinating subjects.

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### **Bibliography**

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### Editorial Review

#### About the Author

A renowned physicist and author of the bestseller *One Two Three . . . Infinity*, George Gamow is one of the founders of the Big Bang theory.

#### Modern Science Made Easy

By one of the leading physicists of the twentieth century, George Gamow's *One, Two, Three...Infinity* is one of the most memorable popular books on physics, mathematics, and science generally ever written, famous for having, directly or indirectly, launched the academic and/or scientific careers of many young people whose first real encounter with the wonders and mysteries of mathematics and science was through reading this book as a teenager. Unusually for popular science books, this one is enhanced by the author's own delightful sketches. Reviewers were enthusiastic when *One, Two, Three...Infinity* was published in 1947.

#### In the Author's Own Words:

"If and when all the laws governing physical phenomena are finally discovered, and all the empirical constants occurring in these laws are finally expressed through the four independent basic constants, we will be able to say that physical science has reached its end, that no excitement is left in further explorations, and that all that remains to a physicist is either tedious work on minor details or the self-educational study and adoration of the magnificence of the completed system. At that stage physical science will enter from the epoch of Columbus and Magellan into the epoch of the *National Geographic Magazine!*" — George Gamow

#### Critical Acclaim for *One, Two, Three...Infinity*:

"This skillful presentation is for the non-professional and professional scientist. It will broaden the knowledge of each and give the imagination wide play." — *Chemistry and Engineering News*

"A stimulating and provocative book for the science-minded layman." — *Kirkus Reviews*

"This is a layman's book as readable as a historical novel, but every chapter bears the solid imprint of authoritative research." — *San Francisco Chronicle*

"George Gamow succeeds where others fail because of his remarkable ability to combine technical accuracy, choice of material, dignity of expression, and readability." — *Saturday Review of Literature*

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**Antoine Anderson:**

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**John Wiser:**

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