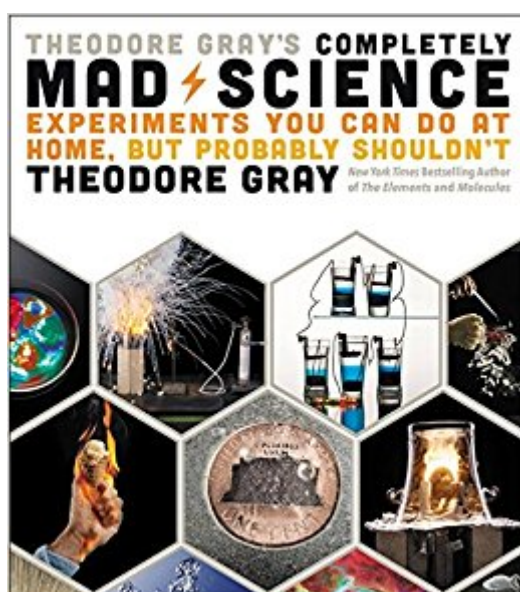


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# Theodore Gray's Completely Mad Science: Experiments You Can Do At Home But Probably Shouldn't: The Complete And Updated Edition



## Synopsis

The ultimate Theodore Gray collection, Theodore Gray's Completely Mad Science collects every one of Gray's dramatic, visually spectacular, and enlightening scientific experiments into one complete volume. Bestselling author Theodore Gray has spent more than a decade dreaming up, executing, photographing, and writing about extreme scientific experiments, which he then published between 2009 and 2014 in his monthly Popular Science column "Gray Matter." Previously published in book form by Black Dog in two separate volumes (Mad Science and Mad Science 2), these experiments, plus an additional 5, are available now in one complete book. Completely Mad Science is 432 pages of dazzling chemical demonstrations, illustrated in spectacular full-color photographs. Experiments include: Casting a model fish out of mercury (demonstrating how this element behaves very differently depending upon temperature); the famous Flaming Bacon Lance that can cut through steel (demonstrating the amount of energy contained in fatty foods like bacon); creating nylon thread out of pure liquid by combining molecules of hexamethylenediamine and sebacoyl chloride; making homemade ice cream using a fire extinguisher and a pillow case; powering your iPhone using 150 pennies and an apple, and many, many more. Theodore Gray is the author of The Elements: A Visual Exploration of Every Known Atom in the Universe; Molecules: The Elements and the Architecture of Everything; Theo Gray's Mad Science: Experiments You Can Do at Home, But Probably Shouldn't; and Mad Science 2: Experiments You Can Do at Home, but Still Probably Shouldn't. He lives in Urbana, Illinois.

## Book Information

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## Customer Reviews

“This is a fabulous book, and a real education, too – a beautiful introduction to hands-on chemistry. Theo Gray brings us dozens of experiments in minute, clear, and loving detail, and each one becomes a door onto the marvels of how chemicals react. Whether he is showing us how to make table salt from its violent elements, or, in a quieter vein, to make one’s own nylon thread or “lead” pencils, Gray’s encyclopedic knowledge and contagious enthusiasm transport us to deep intellectual realms, while never sacrificing a sense of wonder and, above all, fun.

• Oliver Sacks, author of *Awakenings*, *Musicophilia*, *Uncle Tungsten*, and many others (Oliver Sacks) “I’ve spent 22 years working with Theo Gray on creating software, seeing him find simple ways to do the seemingly impossible. You’re in for a treat here when he applies the same creativity and insight to revealing the science of everyday things.

• Stephen Wolfram, creator of Mathematica® and author of *A New Kind of Science* (Stephen Wolfram) “What a magnificent book. It’s gorgeous, playful, and draws you in. Every single photo shows not only a deep love of science in the abstract, but also a tinkerer’s love of the STUFF of science; the tools and glass, the clay and metal, and all the things that make science accessible to everyone.

• Adam Savage, star of *MythBusters* (Adam Savage) What good is this Nobel Prize around my neck if it doesn’t produce admiration for science writers such as Theo Gray, whose skillful work helps convert young students into serious researchers.

• Leon Lederman, winner of the 1988 Nobel Prize in Physics (Leon Lederman) “Theo’s MAD SCIENCE is destined to inspire and spark the imaginations of the next generation of makers, tinkerers, engineers and mad scientists!

• Phillip Torrone, Senior Editor of *Make* magazine (Phillip Torrone) “Theodore Gray has attained a level of near superhuman geekery that the rest of us can only mutely admire.

• Cecil Adams, *The Straight Dope* (Cecil Adams) --This text refers to an out of print or unavailable edition of this title.

Theodore Gray is the author of *The Elements: A Visual Exploration of Every Known Atom in the Universe*; *Molecules: The Elements and the Architecture of Everything*; *Theo Gray’s Mad Science: Experiments You Can Do at Home, But Probably Shouldn’t*; and *Mad Science 2: Experiments You Can Do at Home, but Still Probably Shouldn’t*. He lives in Urbana, Illinois.

This book was the perfect gift for two of my grandnephews who absolutely loved it. My niece claimed her son stopped opening presents after he opened it and wandered off into his room to begin reading it right away. They had to call him back to finish opening presents Christmas morning!

Great book with lot of interesting - albeit dangerous- experiments - do not try them at home or alone!

A great book for a science nerd but not for a teenager who just jokes science

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