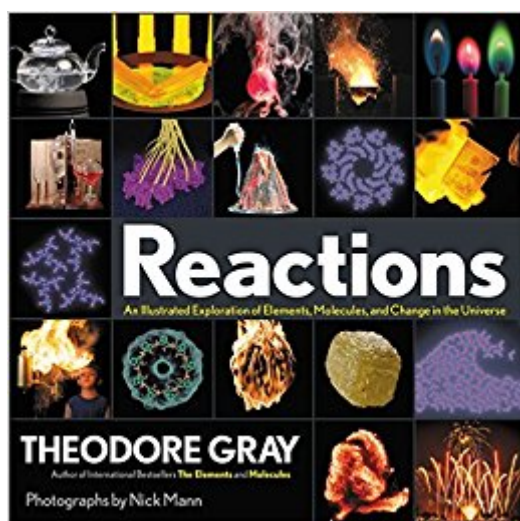


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# Reactions: An Illustrated Exploration Of Elements, Molecules, And Change In The Universe



## Synopsis

The long-awaited third installment in Theodore Gray's iconic "Elements" trilogy. The first two titles, *Elements* and *Molecules*, have sold more than 1.5 million copies worldwide. With *Reactions* bestselling author Theodore Gray continues the journey through our molecular and chemical world that began with the tour de force *The Elements* and continued with *Molecules*. In *The Elements* Gray gave us a never-before-seen, mesmerizing photographic view of the 118 elements in the periodic table. In *Molecules*, with the same phenomenal photographic acumen, plus beautifully rendered computer-generated graphics, he showed us how the elements combine to form the stuff that makes up our universe, from table salt to oxygen to the panoply of colors and smells that surround us. At last, we've reached *Reactions*, in which Gray once again puts his photographic and digital prowess and creativity to monumental work demonstrating how molecules interact in ways that are essential to our very existence. The book begins with a brief recap of elements and molecules and then goes on to explain important concepts that characterize a chemical reaction, including Energy, Entropy, and Time. It is then organized by type of reaction including Combustion, Photosynthesis, Respiration, Oxidation, and Fermentation. A special section of chemical cycles including The Carbon Cycle, The Iron Cycle, and The Lime Cycle.

## Book Information

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## Customer Reviews

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* and Theodore Gray's

Completely Mad Science: Experiments You Can Do At Home, But Probably Shouldn't. He is the creator of the bestselling iPad apps "Elements" and "Molecules," which have both been named "App of the Week" by Apple and have been featured in commercials and print advertisement for the iPad. He lives in Urbana, Illinois.

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