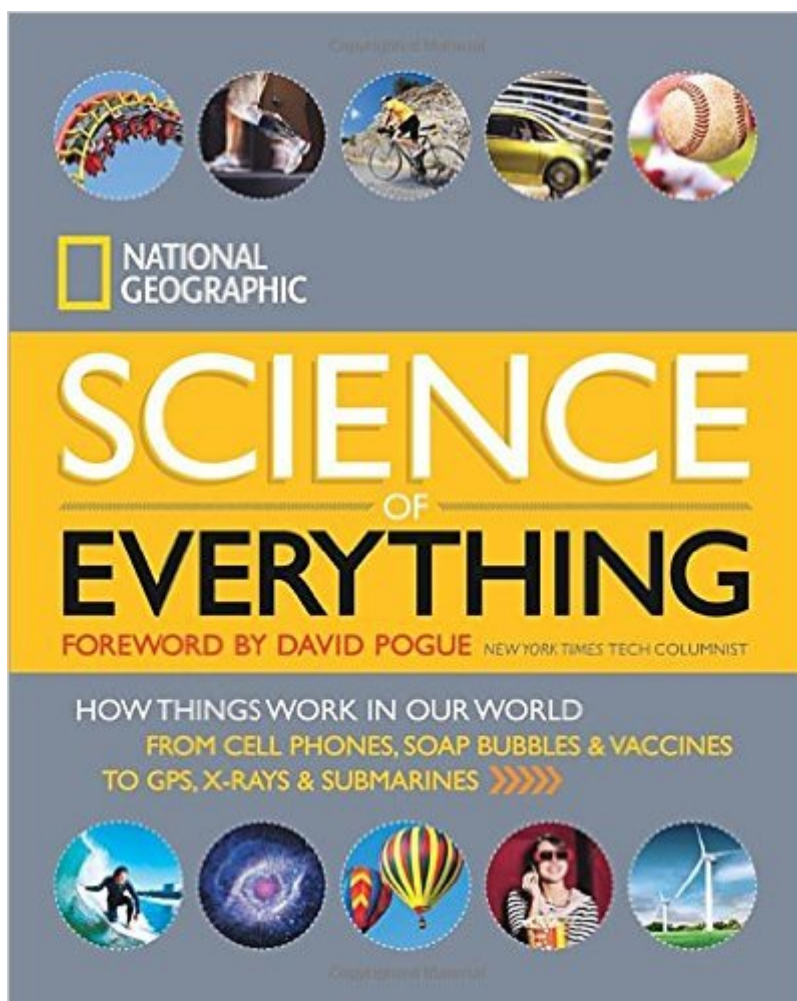


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# National Geographic Science Of Everything: How Things Work In Our World



## Synopsis

National Geographic answers all the questions about how things work--the science, technology, biology, chemistry, physics, and mechanics--in an indispensable book that reveals the science behind virtually everything. How does the voice of a distant radio announcer make it through your alarm clock in the morning? How does your gas stove work? How does the remote control open your garage door? What happens when you turn the key in the ignition? What do antibiotics really do? Divided into four big realms--Mechanics, Natural Forces, Materials & Chemistry, Biology & Medicine--*The Science of Everything* takes readers on a fascinating tour, using plain talk, colorful photography, instructive diagrams, and everyday examples to explain the science behind all the things we take for granted in our modern world.

## Book Information

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Average Customer Review: 4.2 out of 5 stars [See all reviews](#) (82 customer reviews)

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## Customer Reviews

This is a noble effort, but the execution is badly flawed. From the poor grammar and subtle errors, it seems like the publisher out-sourced the writing to people whose native language is not English. That led to errors such as confusing atoms with molecules, matter with vacuum. There are enough inaccuracies so that if you don't already know the facts, I would advise you to not believe anything you read here without an independent confirmation. The piece of page 334 about Freeze-dried Foods contains the following: ... "temperatures in the range of -60 to -110 degrees F (-16 to -43 degrees C). I know that  $-40F = -40C$ . How then can  $-110F = -43C$ ? Check it out with your calculator or ask a search engine. The author used an incorrect formula to make this conversion. (The sign of the 32 degree correction was wrong). But which one is right, F or C? Or NEITHER? Just a few others

for flavor.page 269. Silver tarnishes due to hydrogen sulfide, not sulfates.page 229. The speed of light in a vacuum is 186,000 mps. The speed in a glass fiber is slower.page 100. Freon is a Dupont trademark for its brand of CFCs (plural). To state that Freon has a low boiling point it is necessary to specify WHICH Freon. These materials were banned around 20 years ago because they deplete atmospheric ozone. They are not used in contemporary air conditioners or refrigerators.page 129. The shape of the curve defined by a suspension bridge's cable is a catenane, not a parabola.page 179. Tritium and deuterium are not light elements because they are not elements (plural). They are heavy isotopes of the SAME element, hydrogen. Hydrogen (all isotopes) is light compared to uranium.page 291.

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