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Everything We Know Has
An Expiration Date Samuel
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The Half-Life of Facts is an engaging,
popular introduction to several topics
within information science. The title

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comes from the notion that one can measure the rate at which papers within a discipline become obsolete, assigning a half-life to each field.

~~The Half life of Facts: Why Everything
We Know Has an ...~~

The title of this book, "the half-life of

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facts" says that everything we know has an expiration date. However, this is misleading and what is really happening is improved accuracy of measurement for many of the author's "gotcha" examples.

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Consider *The Half-life of Facts* the new go-to book on the evolution of science and technology."--Tyler Cowen, professor of economics, George Mason University, and author of *An Economist Gets Lunch* "The Half-life of Facts is a rollicking intellectual journey. Samuel Arbesman shares his extensive knowledge with

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infectious enthusiasm and ...

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The half-life of knowledge or half-life of facts is the amount of time that has to elapse before half of the knowledge or facts in a particular area is superseded or

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shown to be untrue. These coined terms belong to the field of quantitative analysis of science known as scientometrics .

~~Half life of knowledge Wikipedia~~

Furthermore, they got a clear measurement of the half-life of facts in these fields by looking at where the curve crosses 50

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percent on this chart: 45 years. Essentially, information is like radioactive material: An Expiration Date Samuel Arbesman
Medical knowledge about cirrhosis or hepatitis takes about forty-five years for half of it to be disproven or become out-of-date.

~~The Half life of Facts - Farnam Street~~

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The Half-Life of Facts. In The Half-Life of Facts: Why Everything We Know Has an Expiration Date, Samuel Arbesman

(see our Knowledge Project interview)

posits that facts decay over time until they are no longer facts or perhaps no longer complete. According to Arbesman, information has a predictable half-life: the

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time taken for half of it to be replaced or
disproved.

~~Half Life: The Decay of Knowledge and
What to Do About It~~

Samuel Arbesman, a mathematician at
Harvard, calls this "The Half-life of
Facts", the title of his new book. In it he

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explains that this churn of knowledge is like radioactive decay: you cannot...

~~The Q&A: Samuel Arbesman The half-life of facts ...~~

The Half-life of Facts is fun and fascinating, filled with wide-ranging stories and subtle insights about how facts

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are born, dance their dance, and die. In today's world, where knowledge often changes faster than we do, Samuel Arbesman's new book is essential reading.

~~Amazon.com: The Half Life of Facts:
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Half-life, in radioactivity, the interval of time required for one-half of the atomic nuclei of a radioactive sample to decay (change spontaneously into other nuclear species by emitting particles and energy), or, equivalently, the time interval required for the number of disintegrations per second of a radioactive material to

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decrease by one-half. Read More on This
Topic.

~~half life | Definition & Facts | Britannica~~

Greetings Motherfactors! In today's video we're looking at one of the longest awaited video games, and one of the topics that you've asked for a lot in the p...

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~~101 Facts About Half Life YouTube~~

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Valve is a mysterious bunch, and their
flagship franchise, Half-Life, is no
different, as the series is shrouded in
uncertainty — and not just in its storytelling,
but also in its development. RELATED: 5
Reasons Why Half-Life: Alyx Is Going To

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Be Valve's Comeback (& 5 Why It's Too Late) For over a decade, fans eagerly awaited for a successor to Half-Life 2: Episode 2 and, at long last, Half ...

~~10 Things You Didn't Know About The Half-Life Franchise~~

The original Half-Life hit PCs in 1998; the

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sequel finally dropped in 2004. That means, between them, the Half-Life franchise has at this point been around for fifteen years. In that time, only a...

~~10 Things You Didn't Know About Half Life~~

Strontium-90 has a half-life of 29 years. If

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Starting with a 2.2 lb (1 kg) mass of strontium-90, then after 29 years there will only be 1.11 lb (0.5 kg) of strontium-90 remaining. After a further 29 years there will only be 0.55 lb (0.25 kg).

Strontium-90 decays to give yttrium-90 and one free electron.

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~~Half-life | Encyclopedia.com~~

□ The Half-life of Facts teaches you that it is possible, in fact, to drink from a fire-hose. Samuel Arbesman, an extremely creative scientist and storyteller, explores the paradox that knowledge is tentative in particularly consistent ways.

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~~Arbesman: 9781591846512 ...~~

Cobalt-60, radioactive isotope of cobalt used in industry and medicine. Cobalt-60 is the longest-lived isotope of cobalt, with a half-life of 5.27 years. It is produced by irradiating the stable isotope cobalt-59 with neutrons in a nuclear reactor.

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Cobalt-60 is used in the inspection of
materials

~~cobalt 60 | Uses, Half Life, & Facts |~~

~~Britannica~~

Half-life is the expected value when half
the number of atoms have decayed.

Carbon-14 has a half-life of 5730 years.

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Taking one atom of C-14, this will either have decayed after 5730 years, or it will not. But if this experiment is repeated again and again, it will be seen that the atom decays within the half life 50% of the time.

~~Half life (element) Facts for Kids |~~

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The half-life of an isotope is the time on average that it takes for half of the atoms in a sample to decay. For example, the half-life of carbon-14 is 5730 years. This means that if you have a sample of carbon-14 with 1,000 atoms, 500 of these atoms are expected to decay over the

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course of 5730 years.
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