

Download What Is The Half Life Of Potassium 40

Potassium-40 (^{40}K) is a radioactive isotope of potassium which has a long half-life of 1.251×10^9 years. It makes up 0.012% (120 ppm) of the total amount of potassium found in nature. Potassium-40 is a rare example of an isotope that undergoes both types of beta decay. Potassium 40 is an isotope with 19 protons (and electrons) and 21 neutrons. Potassium 40 accounts for around 0.012% of potassium and is fairly stable (half life of 1.25 billion years). The transfer of potassium ions through nerve cell membranes is necessary for normal nerve transmission. But natural potassium also contains a radioactive isotope potassium-40 (0.012%). Potassium-40 is a radioactive isotope of potassium which has a very long half-life of 1.251×10^9 years and undergoes both types of beta decay. Question: What is the half-life of potassium 40? Half-Life. In science and mathematics, the half-life of a substance refers to the amount of time it takes for that substance to break down, or ...