

This is the rarest element in the Earth, yet to observe it has dissipated into nothing

Hydrogen-7 is made up of 1 proton and 6 neutrons, with a half-life of 23 yocto-seconds, equivalent to 0.0000 trillion trillion seconds.

What is the rarest material on Earth? When receiving this question, many people will think of precious elements such as gold and diamonds but science has another answer.

Below is the answer of Isaac Dixon, who is not a scientist, but his response has received the approval of Frederic Rachford, professor of physics and Marek Kobera, professor of mathematics. and Physics.

In the periodic table, elements from 1 to 92 (except for positions 43 and 61) appear in the natural environment of the Earth. Some of them only exist in very small amounts. Others and some isotopes of natural elements are only produced by science from the laboratory.

Elements with an atomic number greater than 99 have a very short half-life, cannot be mass-produced, so they are used only in scientific studies and without any practical application.

The first element synthesized by scientists is Plutonium, which has a half-life of 88 years. But Plutonium is not the rarest element.



Plutonium.

The title must belong to Hydrogen-7, an element created by a group of scientists from Russia, Japan and France, first introduced in 2003. Hydrogen-7 is made up of 1 proton and 6 neutron, which has a half-life of 23 yocto-seconds, equivalent to 0.0000 trillion trillion seconds.



This is pure hydrogen lit up in the bottle.

With this figure, the Hydro-7 is a radioactive isotope with the lowest half-life. And because it only exists for such a short period of time, so far science still has no picture of the Hydro-7.

1. Things to know about radium

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