



## Artificial Sun

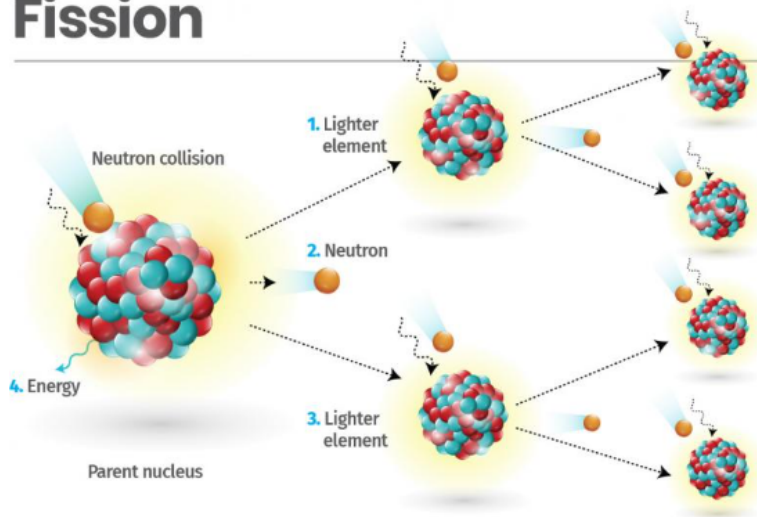
[Source: ET](#)

Recently, a **new world record** was announced by scientists in **South Korea** in sustaining temperatures of **100 million degrees Celsius** for **48 seconds** in plasma state, in a **nuclear fusion** experiment. This is **seven times hotter** than the **core of the sun**.

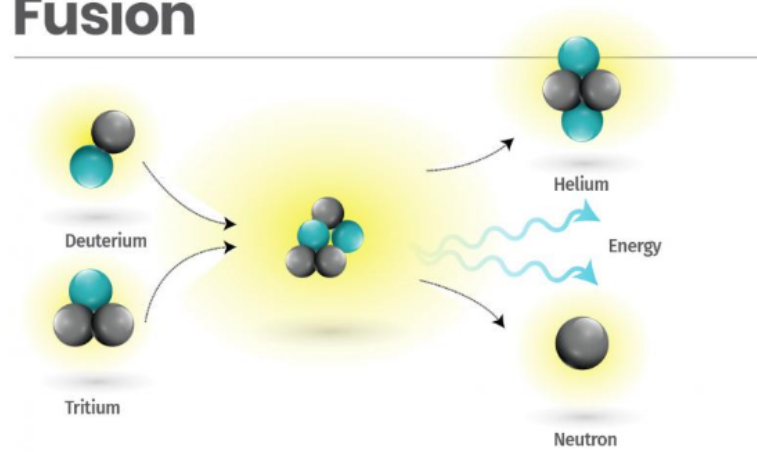
- This accomplishment marks a significant milestone for **harnessing clean energy from [nuclear fusion](#)**, as it demonstrates the potential for producing massive heat energy comparable to the core of the Sun.
- **[Tokamak \(International Thermonuclear Experimental Reactor \(ITER\)\)](#)** is a collaboration of **35 nations launched in 1985 with India being a member**. It is located in **France**.
  - It seeks to demonstrate **nuclear fusion's potential** as a large-scale and **carbon-free energy source**.



## NUCLEAR Fission



## NUCLEAR Fusion



Read More- [International Thermonuclear Experimental Reactor \(ITER\), Nuclear Fusion Energy](#)

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