

## SHORT

Sometimes referred as alien life, is hypothetical life that may occur outside Earth. Such life might range from simple prokaryotes to intelligent beings.

The Breakthrough Message program is an open competition announced in July 2015 to design a digital message that could be transmitted from Earth to an extraterrestrial civilization with a US\$1,000,000 prize pool.

## PROBABILITY

The Copernican principle is generalized to the relativistic concept that humans are not privileged observers of the universe. But many scientists, including Stephen Hawking have proposed that the sheer scale of the universe makes it improbable for intelligent life not to have emerged elsewhere. In contrast, Fermi's Paradox argues with this. To measure, science uses Kardashev scale. And the Drake equation is probabilistic argument used to estimate the number of active civilizations in the Milky Way galaxy.

## Extraterrestrial life

## SEARCH

1. Active SETI is the attempt to send messages to intelligent extraterrestrial life, and was sent in the form of radio signals.
2. CETI is a branch of the search for ETI that focuses on composing and deciphering messages that could theoretically be understood by another civilization. Best-known CETI experiment was the 1974 Arecibo message composed by Frank Drake and Carl Sagan. The 'Wow' signal {1977} remains the best candidate for an ETI radio signal ever detected.

In 1945, a survey found that 95% of the public reported having heard of UFOs. A 1996 Gallup Poll reported that 71% of the US population believed the U.S. government was covering up info. regarding UFOs. Movies:

- Arrival (2016)
- Alien (1979)
- Prometheus (2012)
- Slither (2006)
- The Suicide Squad (2021)
- Event Horizon (1997)

## POP-CULTURE

