

# The discovery of water on Lunar: Indication on searching for life on it

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After the scientists analyses the impact process of the centaur rocket and the sensing satellite, On Nov. 13<sup>th</sup> 2009, NASA have announced that water really exist on lunar. And it existed as a form of water ice. This discovery made us to reconsider that whether life is existed on lunar or not.

Many people believed that there is no life on lunar for it's extreme harsh environment. There is no suitable temperature, moisture, atmosphere for life. And there is also no active organism, organic compounds, and fossils. The following is comparison between Earth and the Lunar.(Table.1)

Table.1 Comparison between Earth and the Lunar

Environment factor \ Area	Earth	The Lunar
Temperature	-50 ~ 150°C	-183—127°C
Water	Water Liquid	Water Ice
Atmospheric	yes	no
Activities of the organism	yes	no
Fossil	yes	no
Organic compounds	yes	no

We doubted the opinion that there is no life on lunar. Water ice on the moon may caused by the impact of comet in the past. This point is consistent with the hypothesis about the origin of life on Earth – the impact of comet feed the earth with life. Those water ice with life stored in moon's permanent shadowed craters. But for sunshine never be accepted in the craters for billions of years, all kinds of material maintain "original ecology." Joop Houtkooper from the University of Giessen,

Germany pointed out that the simple life as forms of bacteria can survive in the rocks at the early age of earth, when the meteorite impacted the Earth's surface, these Earth's surface will splash out on the rocks, probably scattered to the surface of the moon, the Moon Crater many well preserved samples which carried life from the Earth. Because of the extremely harsh environment of lunar surface, many of these form of life would dead, but some may survival in the lunar water ice. Our task is choosing the right

location (permanently shadowed crater area) to find them in the future. Once find them, regardless of whether they died or survived, it is expected to confirm that it is possible to exist on the moon life(Fig.1).

Secondly, we believe that there is some kind of is absolutely no point of view of life would have been dynamited. But at this stage we do not have

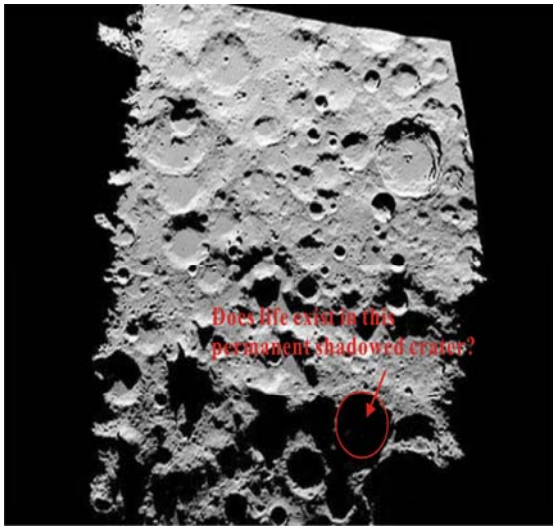


Fig.1 The picture show a indication of the question that does life exist in this permanent shadowed crater?

enough evidence to prove that these fall from the sky Bottom of the existence of water ice of life, the future search for life on the moon would be a long way to go research tasks.

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micro-organisms could survival in the lunar water ice, and this water ice can be found on the moon at the bottom of crater like Shackleton Crater, and they will be saved in the state of water ice bacteria under certain conditions in its wake may be revived so that it came, then the moon

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