



Where in the Solar System are we most likely to find life?

Jupiter's moon Europa, potentially home to a liquid water ocean, is considered one of the likeliest locales for extraterrestrial life. Image via NASA Last week, NASA announced one of its most exciting missions in recent memory: a plan to visit Europa, one of Jupiter's largest moons.

Could life exist in the Solar System?

The chart clearly indicates that the most likely place that life could exist in the solar system is Enceladeus' hydrothermal vent system, which scores a five out of five on potential environmental factors -- it is missing data on ionizing radioactivity. But the icy moon isn't alone at the top of the potentially habitable list.

Where can you find life beyond Earth?

Ocean worlds, like Saturn's moons Titan and Enceladus and Jupiter's moon Europa, may be the most likely places to find life beyond Earth, NASA revealed in 2017. Where there is water, life is often present. Is the same true for these icy ocean moons? Planning for multiple missions is underway to explore these intriguing worlds.

Are icy moons a good place to find life?

On Earth, water is required for life "as we know it." Other than the dunes of Mars, where we have searched for half a century, astrobiologists now consider the icy moons of the outer planets some of the best places to look for life in our solar system.

Can we find life outside of Earth?

Evidence for life outside of Earth hasn't been found yet, but the very things that make us human -- creativity, curiosity and ingenuity -- could reveal it in the decades to come. Mars and ice-covered ocean moons orbiting Jupiter and Saturn are intriguing destinations in the search for life outside of Earth.

Is there life on a planet outside our Solar System?

Nasa's James Webb Space Telescope (JWST) recently detected tantalising hints at life on a planet outside our Solar System - and it has many more worlds in its sights. Numerous missions that are either under way or about to begin mark a new space race for the biggest scientific discovery of all time.

# MOST LIKELY PLACE TO FIND LIFE IN SOLAR SYSTEM



As humans have learned more about the planets and moons of our Solar System, we've identified several that could have the potential to hold life. But space is vast and exploration is challenging, so humanity has to focus our search on ???



Europa, one of Jupiter's icy moons is the most likely place in our solar system to be home to alien life. Many astronomers are no longer asking whether there is life elsewhere in the Universe.



Mars. Mars is one of the most Earth-like worlds in the solar system. It has a 24.5-hour day, polar ice caps that expand and contract with the seasons, and a large array of surface features that

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In recent years, the remarkable number of planets we've discovered orbiting distant stars (1780, at latest count) has shifted the focus of the search for extraterrestrial life to other solar



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