## SPACE VOLCANOES



VOLCANIC GÅSES Magma contains many gases that create bubbles near the surface, pushog the magma out - causing a huge explosion that prope
you two spaces forward!

A stroll around a volcano on Earth is no picnic, but what about volcanoes journey from Mercury all the way to Proxima Centauri b, our nearest exoplanet. Will you be faster than your opponents? This journey require

There is no other celestial body in the solar system with such intense volcanic activity as Jupiter's moon, lo. It has hundreds of active volcanoes! The unbelievable volcanic activity on lo is propelled by tidal forces since lo is literally "kneaded" by the gravitation of Jupiter and of two of its other moons. You will definitely warm up on lo; do five squats and move forward one space.

The highest mountain in the solar system is found on Mars - the giant volcano, Olympus Mons. It is likely that it still had volcanic activity until quite recently. Numerous mud volcanoes have also been active on Mars. An interesting fact is that the spewed-out mud on Mars could behave similarly to how pahoehoe lava, found on Iceland or in Hawaii, behaves here on Earth. And one such lava flow is now taking you two spaces forward!

The Moon "seas" are expansive lava fields that came into existence more than three billion years ago. However, the Moon still had active volcanoes even at leasf a billion years later. Since the Moon's gravitation "pulls" the Earth, it has been hypothesised that the Moon influenc the timing of some volcanic eruptions. This hypothesis is still subject to passionate scientific debate. Simply put, the Moon has a huge influence on the Earth - but do you know the origin of the Moon? Is it a captured celestial body, did it originate after one or more bodies crashed into our prehisto Earth, or did it form by spontaneously separating from the materials of the evolving Earth? The correct answer
(found at the bottom of
the page) will move

