

What are some of the best rare natural phenomena that occur on Earth?

What is a phenomenon? It is an interesting fact or even that happens and is typically difficult to understand or explain fully. Below we will learn about some of Mother Nature's most amazing phenomena, from Australia's bubblegum-pink lake and a blood-red waterfall in Antarctica and a US valley where stones eerily move. Let's find out more about Mother Nature's natural phenomena.

Frozen methane bubbles, Canada

They look like flying saucers that dropped into the water and froze, or like jellyfish captured in ice. In fact, these icy circles are frozen methane bubbles - pockets of gas that, when trapped underwater and frozen, form a spectacular landscape.



Found in winter in high northern latitude lakes like Lake Abraham in Alberta, Canada, these gas bubbles are created when dead leaves, grass and animals fall into the water, sink and are eaten by bacteria that excrete methane. The gas (methane) is released as bubbles that transform into tens of thousands of icy white disks when they come into contact with frozen water.

This potent greenhouse gas not only warms the planet, but also is highly flammable - so the frozen bubbles are in fact quite dangerous. Come spring, when the ice melts, the methane bubbles pop and fizz in a spectacular release - but if anyone happens to light a match nearby, the masses of methane will ignite into a giant explosion!

Sailing Stones, US

The dry lake of Racetrack Playa in California's Death Valley, US, is famous for its sailing stones. Scientists have studied the rocks and the long trails they leave behind, suspecting that ice, wind or even bacteria could be causing the heavy rocks to move.

Scientists are becoming more confident about what causes the rocks to move. "It turns out that in winter thin ice sheets form, and winds push ice sections with even heavy rocks across the temporarily



smooth playa when sunlight melts the ice. The stones move when ice is formed if the area they're in gets flooded. They are then thought to sail across the ice as it melts, creating a track in the mud that hardens and remains when the water evaporates.

ABOUT

DEATH

VALLEY

Death Valley is in California, US.

It covers part of the northern Mojave Desert bordering the Great Basin Desert.

It is one of the hottest places on Earth.

July 2018 was the hottest month on record for the valley, with an average daily temperature of 42.3C.

Kawah Ijen Lake, Indonesia



Kawah Ijen (Ka-wha y-jen) is a volcanic crater on the island of Java in Indonesia, and is home to a spectacle of bright blue lava flows. The molten rock isn't what's blue though. The combustion of gases such as

sulphuric acid creates the glowing blue flame. Those gases emerge from cracks in the volcano at high pressure and temperature—up to 600°C.

When they come in contact with the air, they ignite, sending flames up to 16 feet (5 meters) high. Some of the gases condense into liquid sulphur, which continues to burn as it flows down the slopes, giving the feeling of lava flowing.



Kawah Ijen Crater Lake, at the top of the volcano, is the world's largest such body of water filled with hydrochloric acid. In fact, it's the acid that makes the water a turquoise green.

<https://www.youtube.com/watch?v=nBjlyZsW1z4> - this video shows you the 'blue lava' in action.

Pink Lake Hillier, Australia

Nestled among dense emerald-green woodlands surrounded by the deep blue of the Southern Ocean are a series of lakes in a shade of bubblegum pink.



One of the most well-known is Lake Hillier, a 600m-long lake on the edge of Middle Island off Western Australia's south coast. It is surrounded by a thin ring of sand and an expansive forest of paperbark and eucalyptus trees.

But even more surprising than it actually being pink in colour is that there seems to be no explanation for the lakes popping pink colour. Possible causes include the presence of green algae that can accumulate high levels of beta-carotene, a red-orange pigment, or a high concentration of pink brine prawn.

Lake Hillier is highly saline (salty) but the water isn't toxic. Thanks to its high salinity, you'll float in the pink waters and won't need to swim.

These are just a few of Mother Nature's natural phenomena in the world. Now go and see if you can find another one and find some facts

on it. You can present them in any way you wish, whether it be a project, bullet points, or book creator website. Totally up to you.