

# Water and the Moons

In our solar system, some moons hide water in the form of ice or underground oceans.



**Enceladus**

Moon of Saturn

Ice crust with a warm, salty underground ocean. There are geysers that blast water and ice into space.



**Titan**

Moon of Saturn

Titan is a special moon because it has an atmosphere like Earth. It is very cold there (-180°C): the water ice is as hard as rock, and there are strange seas made of hydrocarbons.



**Europa**

Moon of Jupiter

Ice crust with a warm, salty underground ocean. 2 space probes are currently on their way to Europa, arriving around 2030 (Juice, Europa Clipper).



**Callisto**

Moon of Jupiter

Callisto has a very ancient, icy surface.

Water is in the form of ice on the surface and liquid below due to the heat from the core.



**Ganymede**

Moon of Jupiter

Ganymede resembles a giant layer cake made of alternating layers of ice and liquid water. It is also the largest moon in the solar system.

## Life on the moons?

We look for water on other planets and moons because where there is water, there can be life.

