

Planets Activity Cards

twinkl

Planets

Earth

The only planet in the solar system with life. Earth has a core of iron and nickel. The surface is made of rock.



Planets

Mercury

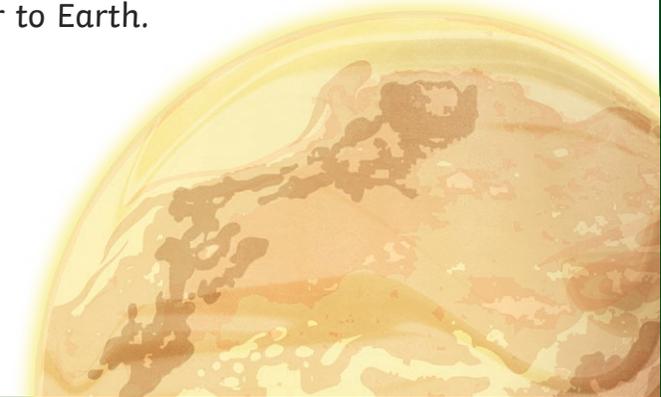
The closest planet to the Sun, Mercury is made mainly of iron. Its surface is covered in craters from being hit by smaller objects in space.



Planets

Venus

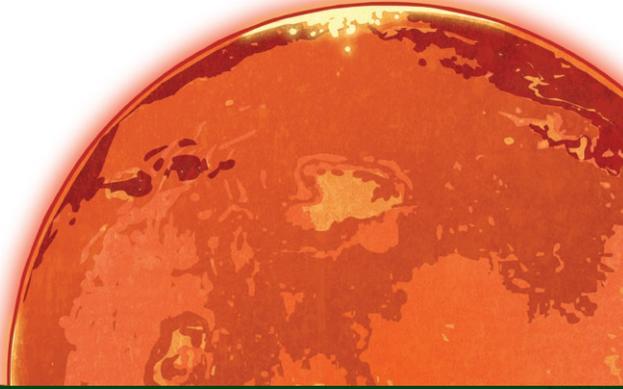
Venus has a very thick atmosphere, which breaks up pieces of space debris before they hit the surface. This means its hard surface doesn't have many craters. Its structure is similar to Earth.



Planets

Mars

Mars is covered in layers of red dust - the colour is due to the iron in the dust oxidising. Under the rusty dust, the surface of Mars is mostly basalt (a type of rock). It has an iron and nickel core.



Planets

Jupiter

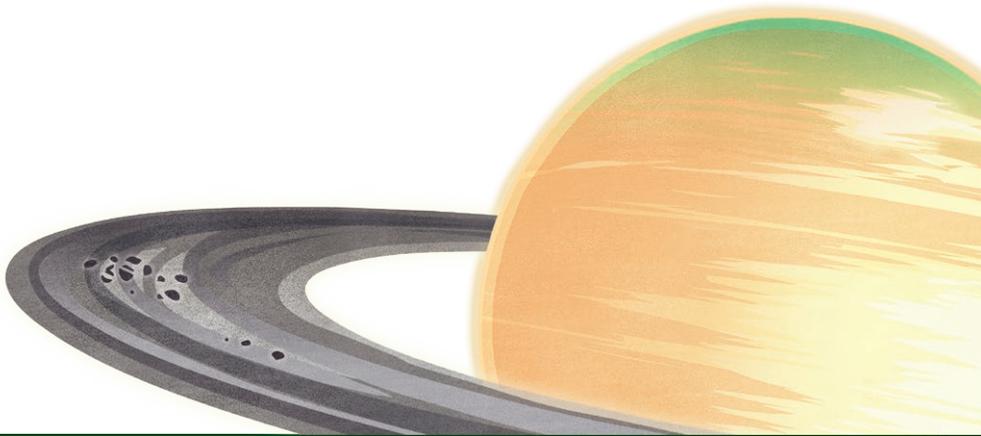
Jupiter is a bit of a mystery! Astrophysicists believe it has a dense core made of lots of different elements. The core may be surrounded by liquid elements with a surface and atmosphere of mostly hydrogen and helium gasses.



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Saturn

The surface of Saturn is 94% hydrogen gas. Scientists think it could have a molten rocky core about the same size as Earth.



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Uranus

Uranus is made up of various frozen elements. It is basically ball of gas and ice with a liquid, icy centre!



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Neptune

Like Uranus, Neptune has no definite surface; instead its gassy atmosphere becomes icy slush, closer to its centre.



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Pluto

Pluto has an icy, rocky surface. It is only about $\frac{1}{6}$ the size of the earth and is smaller than our moon. It shares its orbit with other objects in the Kuiper belt.

