



PlaneL

Mdrs

Gravity:

Weak

Earth's gravity. So if you weighed Just over a third the strength of 100kg on Earth, you'd only way 38kg on Mars!



6.794 km

Just over half the size of Earth



Almosphere:

Quite thin

The almosphere is less than 1/100 the thickness of Earth's atmosphere!

Distance from the sun:

(Approximately one and a half times 227.900.000 km

as far as the Earth)

Still in our Solar System's habitable



colour, which is due to a layer of iron oxide (better known as RUST!). Mars experiences SAND STORMS which can scour the entire planet and block the surface Mars' surface is a dry, barren wasteland covered in old from view for days! volcanoes and impact craters: It is famous for its red

of it that might have been around for millions of We also know Mars used to have liquid WATER, rivers

Mars surface; NASA/JPL/Cornell (Taken by Mars rover Spirit)

Minimum: -150 °C

Maximum: 35 °C

Temperdure:

Me

oldwef

Size:

4.879 km

Mercury is the smallest planet in the Solar System, even the moon Titan is bigger!

Distance from the sun:

57.900.000 km

(It lies thus 3 times as close to the sun as Earth does)

comets: An atmosphere acts like

IMPACT CRATERS resulting from collisions with meteoroids and

of Earth's Moon, scarred by many

Mercury's surface resembles that

a protective cushion around a planet, helping to break up any

meteors or asteroids before

Negrest planet to the Sun

Mercury

Gravity:

Negk

Mercury is very small for a planee, so the gravity is very weak. It's just over 1/3 the strength of Earth's. So if you weighed 100kg on Earth, you'd only way 38kg on Mercury.

(Almosphere:

Zo

Gravity is weak so it cannot hold the atmosphere in place and it blows into space

Temperdeuur:

Maximum: 380°C

Minumum: -180°C

Mercury experiences very varied temperatures between day and night-time. It is very close to the Sun, so in daylight the planet becomes very hot. The planet hats a very weak atmosphere holds no heat in (nor does it block heat out during the day) so at night it becomes freezing, in fact.

Size:

142.984 km

Jupiter is the largest planet in mainly gas, like all planess in the could fit into it. The planet is hidden at its centre. ik has an Earch-sized solid core Outer Solar System, but we think Solar System. Over 1000 Earth's

Jupiker

Gravity:

very, very strong

into Jupiter's thick demosphere the stronger the immensely strong. Also, the deeper you travel pressure becomes, it is unimaginably strong Jupiter is massive, so the gravity here is near the centre of the planet!



Extremely thick

core was just a few times hotter, it would and helium, like the Sun. In fact if Jupiter was a few times bigger, enough that the demosphere. The gas is mostly hydrogen Jupiter is largely gas, almost entirely probably have turned into a Sunt

778.500.000 km

Distance from the sun:

(more than 5 times as far as the Earth)

Jupiter lies in the outer Solar system.

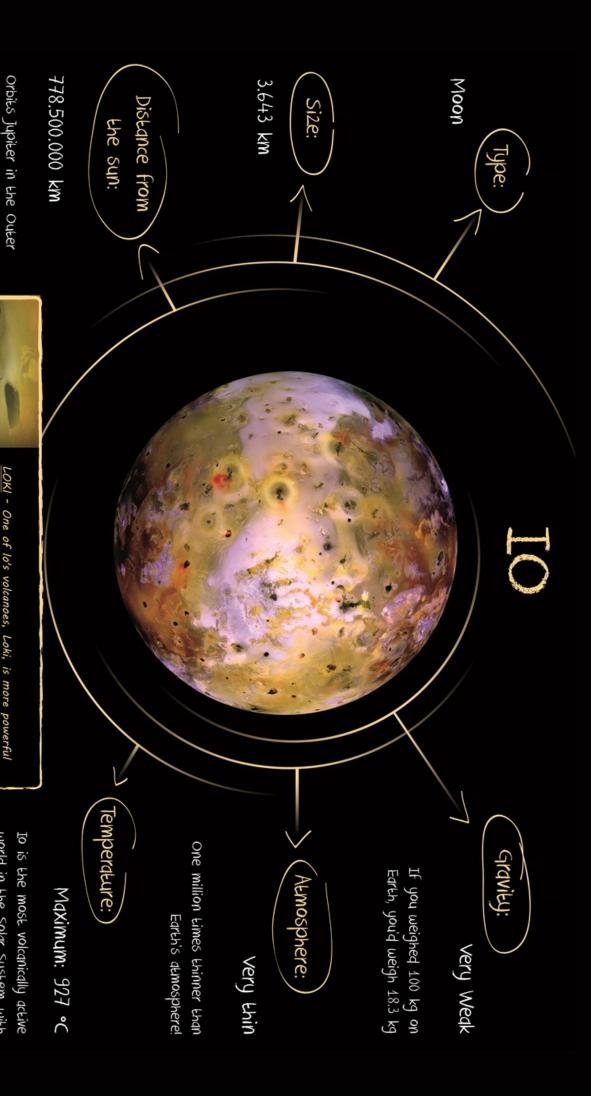


Jupiter is a giant spinning storm has been observed since the 1800s The Great Red Spot on Jupiter's atmosphere: INTENSE STORMS rage in

Maximum: 36.000°C

Temperdeure:

way down! At the core the astronomers estimate The temperature rises steadily higher the deeper stand the heat and pressure even a third of the probe we could crease (never mind person) could you travel into Jupiter's gassy atmosphere. No that the temperature is around 36,000°C.



eruptions. If lo wasn't in this strange tug-of-war

situation, it would have cooled off a long time ago:

flowing over the surface make it

d very hot place to be!

though the moon is so far from

the Sun, the hot molten lava

world in the Solar System, with

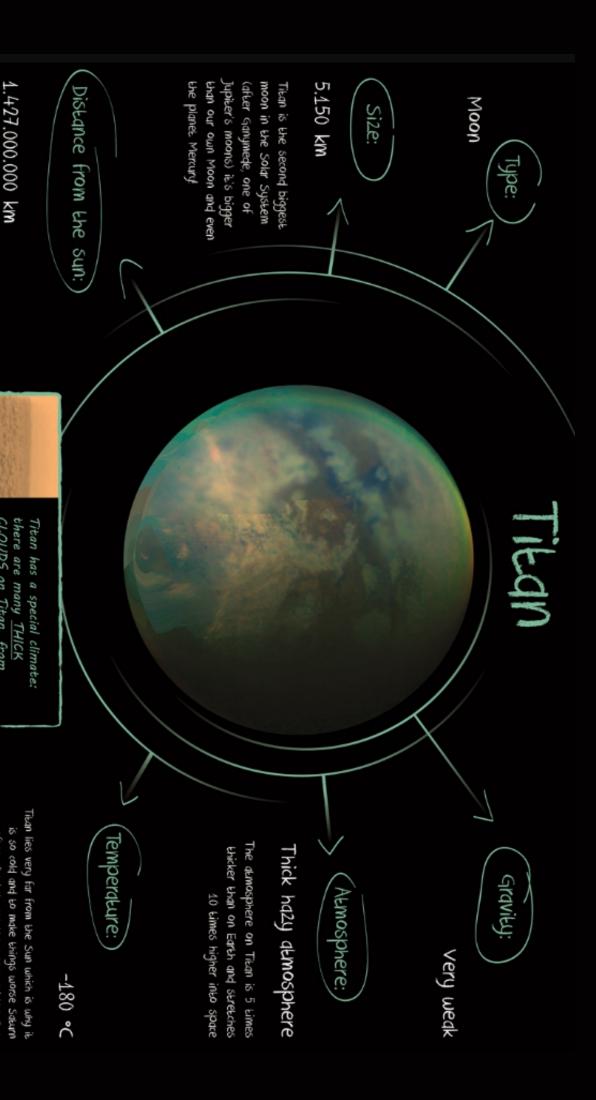
over 400 active volcanoes! Even

of the other large moons of Jupiter) and that is

<u>LOKI</u> - One of lo's volcanoes, Loki, is more powerful than all of Earth's volcanoes combined! lo is in a tug of war between Jupiter, Europa and Ganymede (two

what heats it up and causes the explosive volcanic

Solar System



Solar System

Gulfic ESA/MSA/JPL/University of Adons

AND ETHANE!

water that falls down, unlike on earth, it's not which it often rains. But

However, it's thick atmosphere holds in some heat,

so things aren't as bad there as they could be!

blocking all the sunlight. So the moon gets very

cold and has ice on much of its surface.

often sits between the moon and the Sun,

CLOUDS on Titan, from

but LIQUID METHANE

Titan orbits Saturn in the Outer