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nnutde to enoom

bib tert woh

ike a bath sponge but is made from water, (nO-93-7999-iH) noingc/H

r typenon rote: Instead of spinning like the other moons, Hyperion ice and rock. Instead of spinning like the other moons, Hyperion tumples around which makes it unique.

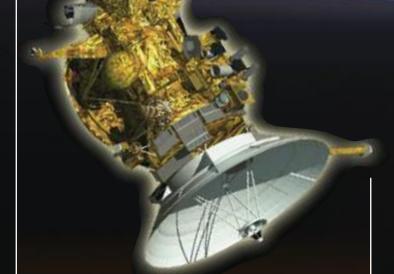
(suT-93-qA-I) sut9qpI

putting two Mount Everests one on top of the other. bulge around the middle that is so high, it would be the same as half is black. This moon is made from ice and rock. There is a its two coloured sides. Half of the moon is white while the other lapetus is the third largest moon around Saturn. It is known for

Enceladus (En-Sell-Ah-Duss)

Sop inizzd

letunim the same as flying from London to Glasgow in under 1 per second (29100 miles an hour) as it flew by Venus. This is The highest speed that Cassini reached was 13 kilometres



Did you know that Earth isn't the only ndtit no stij

some features similar to the Earth - like features. Titan, Saturn's largest Moon, has only place we know of which has all these stable surface. more safe and rivers and mountains. Yes, Earth is not the slowly creating a place in the Solar System with lakes, place where it rains? There is also another they move more they are huge,

just like Earth? Watch this space! The ocean waves on Titan are huge - began. Could a future Titan have life on it like billions of years ago before life moon is similar to what the Earth was possibility of life on the moon. This they are lakes and rivers of methane (a major look at Titan to investigate the Cassini was sent to take a closer one of the main reasons was Titan. Cassini was sent to Saturn, but There are many reasons why

Earth

Sabom 2prin How were the

bigger than the ones we get here. Although

imagine surfing on a wave seven times

have rivers and lakes of water, but on Titan

One important difference is that on Earth we

dreenhouse gas).

mountains and rivers.

rock we see today or even that water was turned into ice. moons collided and broke up, leaving the small pieces of ice and dragged into Saturn's orbit. Other ideas are that some of Saturn's around our solar system which was then torn apart as it was plausible idea is that Saturn met a giant comet as it was travelling We don't know for sure, but we have a lot of ideas. The most

nnuto2 to waiv Spectacular JUO

you were when this picture was taken. the Earth in the background. I wonder where the Sun. If you look close enough you can see spacecraft when Saturn was directly in front of This image was taken by the Cassini

ed make up one of the rings

nat shoot out icy water.

Saturn. It has an icy

of Saturn.

Scientists think these geysers

surface. There are huge

Enceladus is the sixth

Carl Murray

Professor of Mathematics and Astronomy

Name: Where Carl Murray Astronomy Unit Queen Marv. Profession: University of London Professor of Mathematics and Astronomy

What do you do?

I carry out research in astronomy. I investigate the rings of Saturn and I work on the Cassini mission to Saturn. I am also in a team that has discovered two new moons of Saturn.

How did you get to where you are now?

As a school boy I always admired Buzz Aldrin (the American Astronaut who was the second man to walk on the moon) which made me want to become an astronaut, but I didn't think it was possible. I studied mathematics at university before going on to work in astronomy research.

If you had to invest a billion pounds into scientific research what area would you invest into?

I would invest into more missions to the outer solar system because I think there is a lot more to learn and many benefits.

Alien Hunting

Discovering life somewhere else in our solar system is very possible. Two moons of Saturn - Titan and Enceladus - could be home to simple life.

What you should look for when going on your alien hunt:

• Water

- A climate that isn't too hot or too cold, so similar to Earth's
- An atmosphere which protects life from the star's harmful radiation

If you are interested in discovering life yourself, especially intelligent life, check out the Search for Extra Terrestrial Intelligence (SETI). They send out and receive radio waves from space and you can be a part of it! All you need is a computer and access to the internet. Look up SETI@home for more information on how you can become an alien hunter

Space For Young Explorers

Solar System Exploration

The Mystery of Saturn

Inside the Cassini Mission Where did Saturn's rings come from? Is there anybody out there?

Queen Mary, University of London Mile End Road London E1 4NS Q_{a} Queen Mary



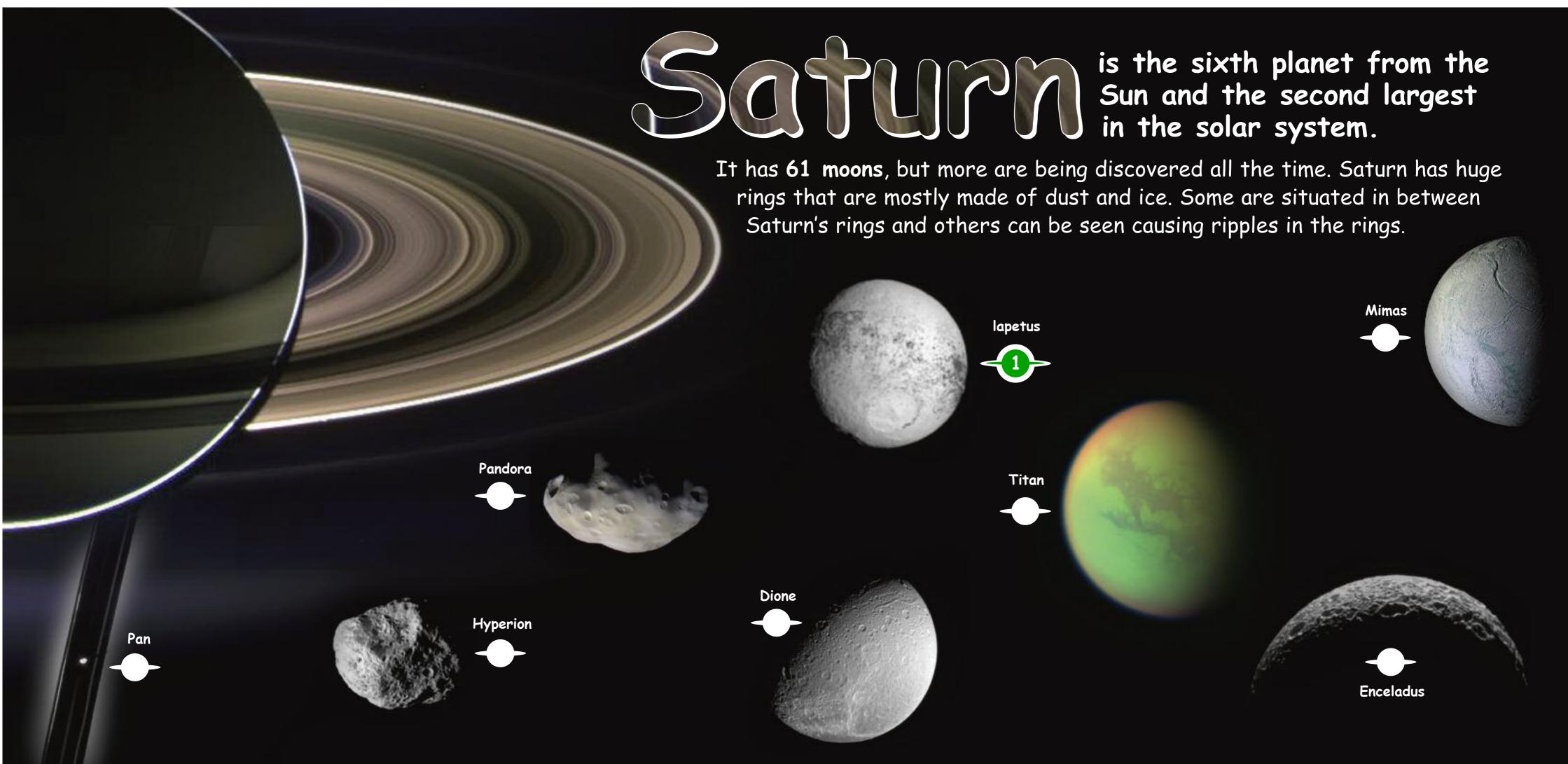


Written and designed by students from Morpeth and Stepney

Green Schools taking part in the 2009 Media Space Summer



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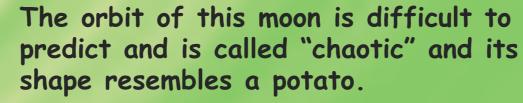
One side of this moon is dark and the other is light.

This moon orbits Saturn at about the same distance as our Moon orbits the Earth.

On the surface of this moon there is a 140 kilometre crater.

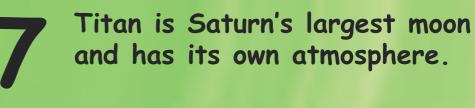
According to the moons to the facts. We've given you eight facts about Saturn's many moons, now find out which moon is which. We've completed one to get you started! Just write the number of the fact in the white Saturn shape next to the moon you think that fact belongs to. one to get you started! Just write the number of the fact in the white Saturn shape next to the moon you think that fact belongs to.

Discovered in 1980, we still know very little about this moon except that it is a strange shape.



Residing in the Encke Gap, this is the innermost of Saturn's moons.





This moon is one of the brightest objects in our solar system. It is covered in ice that reflects the sun.

For the answers, visit our website: www.maths.qmul.ac.uk/home/for-schools-colleges