

MOONS

Where did our Moon come from? What is moon dust?
Can moons have volcanoes? Find out about the
many moons of our Solar System.

Do You Know? is a series of levelled non-fiction books featuring video content, project work and critical-thinking activities to motivate and engage young learners. Covering a range of STEM topics from nocturnal animals to climate change, *Do You Know?* takes an enquiry-based approach, developing children's language, communication and investigation skills.

Level 1 Pre-A1 • 400 headwords

Level 2 A1 • 600 headwords

Level 3 A1+ • 800 headwords

Level 4 A2 • 1100 headwords

Lexile measure 530L • Word count 927

Cambridge Primary Science curriculum link:
Earth and space

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DO YOU KNOW?

MOONS

3

Ladybird

DO YOU KNOW?

MOONS



Level 3

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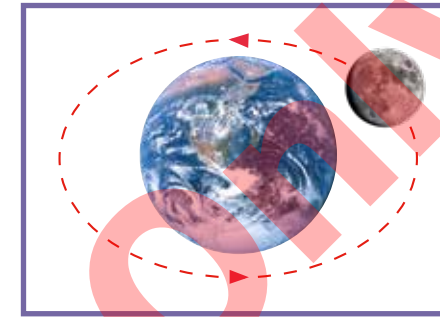
New words



astronaut



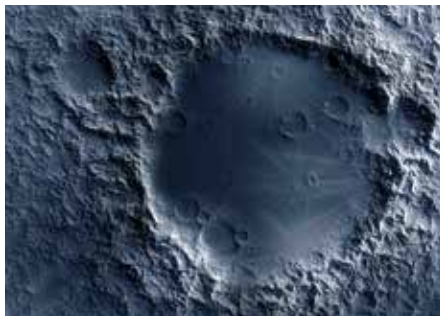
atmosphere



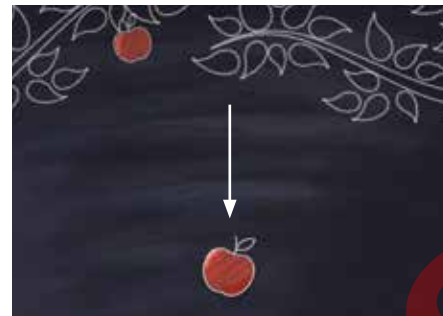
orbit
(verb)



planets



crater



gravity



rock
(noun)



scientist



ice



land
(verb)



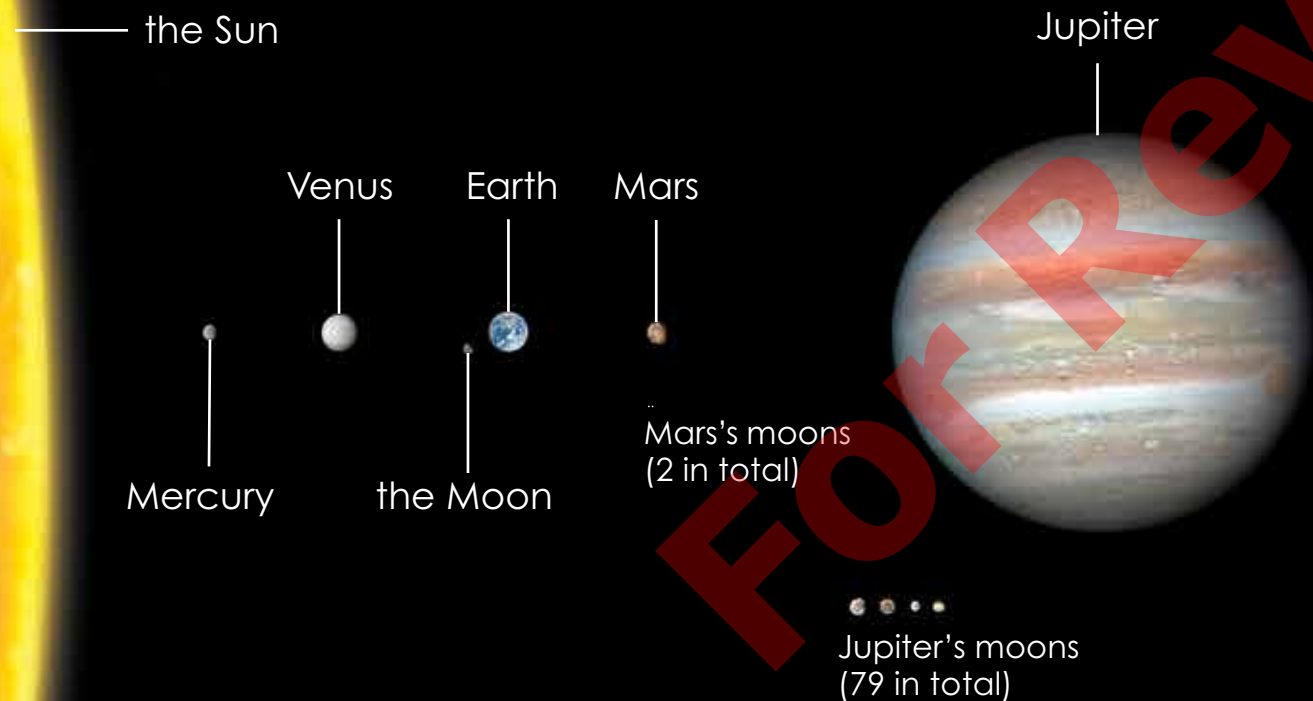
solar system



spacecraft

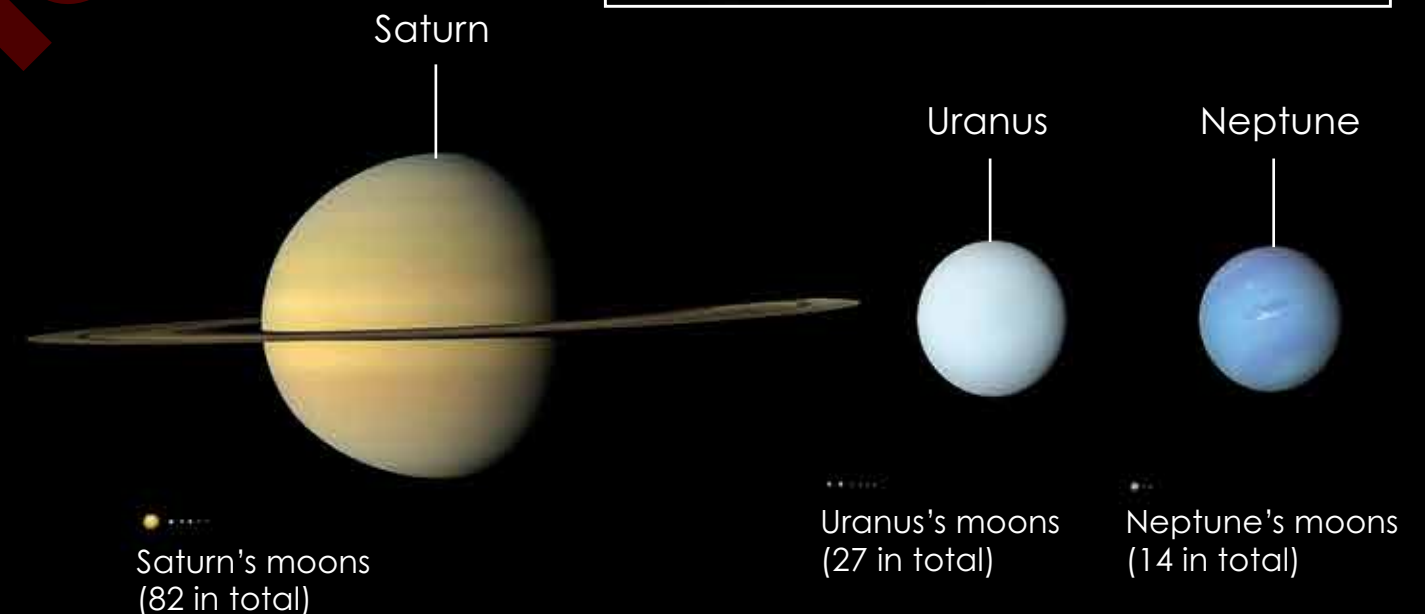
What is a moon?

Our **Solar System** has one sun and eight **planets**. The planets **orbit** the Sun. A moon is smaller and orbits a planet. Some planets have many moons, and some have no moons.



Our Moon orbits the Earth in about 28 days.

The biggest moon is Ganymede. Ganymede orbits the planet Jupiter in seven days.



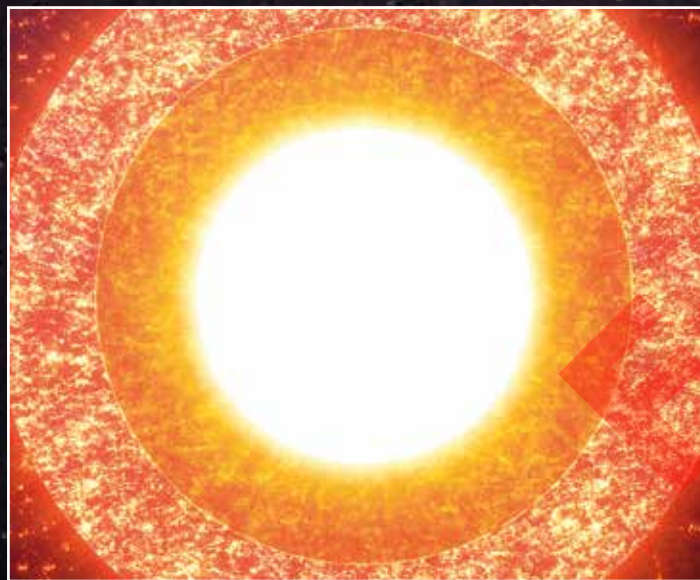
 **LOOK!**

Look at the pages.

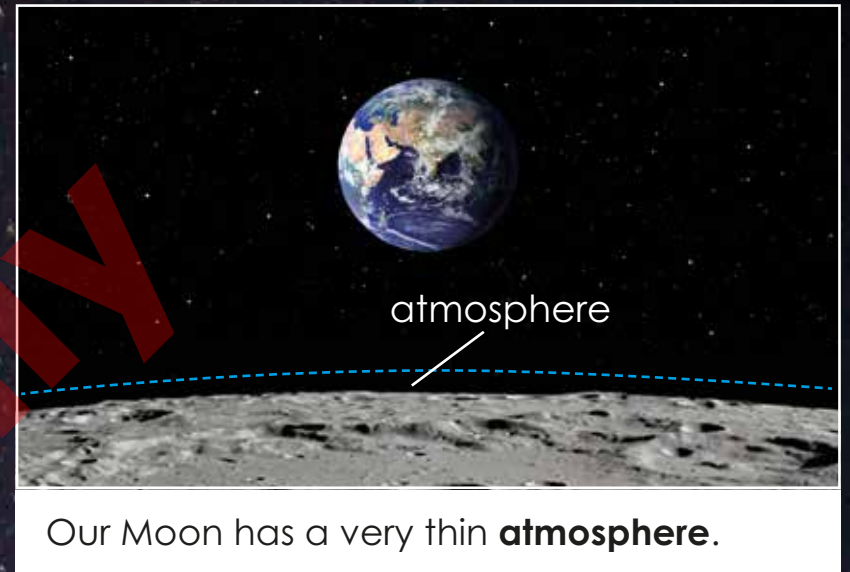
Which two planets in our Solar System don't have any moons?

What is inside a moon?

Most large moons have three important parts – a core, a mantle and a crust. Inside a moon is a very hard, round core. The mantle of a moon can be **rock** or **ice**. Moons also have a hard crust on the outside.



Our Moon's core is very hot.



Our Moon has a very thin **atmosphere**.



PROJECT

Work with a friend. Make a model of a moon. What materials could you use?

Where did our Moon come from?

In the past, the planet Theia hit Earth.

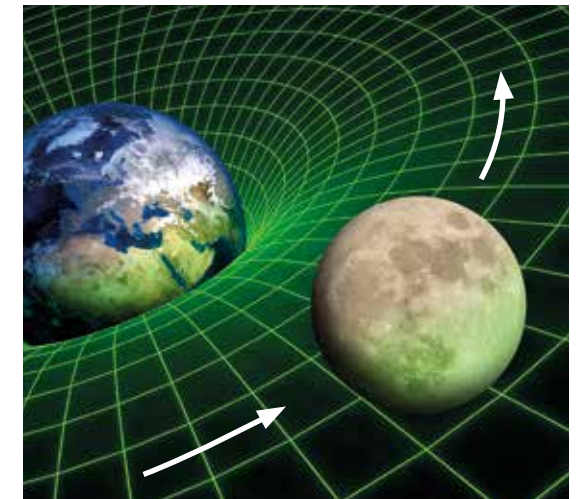
Theia

Parts of Theia and Earth then came together. They made the Moon.

Earth's **gravity** makes the Moon orbit Earth. Gravity on Earth is stronger than on the Moon.

the Moon —

— Earth



high tide



low tide



The Moon's gravity makes the seas on Earth move up and down.



WATCH!

Watch the video (see page 32).
How old is the Moon?