

Hind Riyadh Malki

6 - 1

World Space Week



Welcome, young explorers, to the incredible Solar System! Get ready for an exciting adventure as we travel through space and discover the fascinating planets that orbit our Sun. Let's begin our cosmic journey filled with wonder and charm!



Mercury Speedy Messenger

First, let's meet Mercury, the fastest planet. It zooms around the Sun like a shooting star. Although small, it shines brightly, just like a glowing moon.

Venus The Shining Jewel

Next, we have Venus, the brightest planet in the night sky. It sparkles and gleams with radiant light. Venus has a mysterious atmosphere that hides its secrets beneath fluffy clouds.

Earth Our Home Sweet Home

Now, we reach our beautiful Earth, our very own home. It is a special place with oceans, forests, and towering mountains. Let's take care of our precious planet and keep it safe.

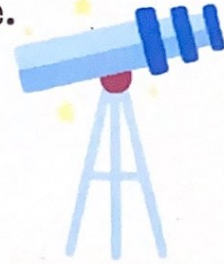
Mars The Red Wonder

Onward to Mars, the red planet! It is like a captivating painting with its rusty, reddish color. Mars has tall volcanoes and deep canyons that scientists are eager to explore.



Jupiter The Giant Guardian

Behold Jupiter, the largest planet of all! It is like a mighty protector in our Solar System. Its swirling colors and strong gravity keep us safe from wandering asteroids. Jupiter has a family of moons, like loyal companions by its side.



Saturn The Ringed Beauty

Look at Saturn, the breathtaking beauty! It wears a majestic ring made of icy particles that sparkle like diamonds. Saturn is like a graceful dancer in the cosmic ballet.

Uranus The Sideways Wonder

Let's visit Uranus, a planet with a peculiar tilt. It spins on its side, making it unique among all the planets. Uranus has a cool, icy blue color that adds to its charm.

Neptune The Mystical Blue

Finally, we come to Neptune, a mysterious and distant planet. It is like a magical blue gem in the vastness of space. Storms swirl around Neptune, and its moons add to its mystical allure.

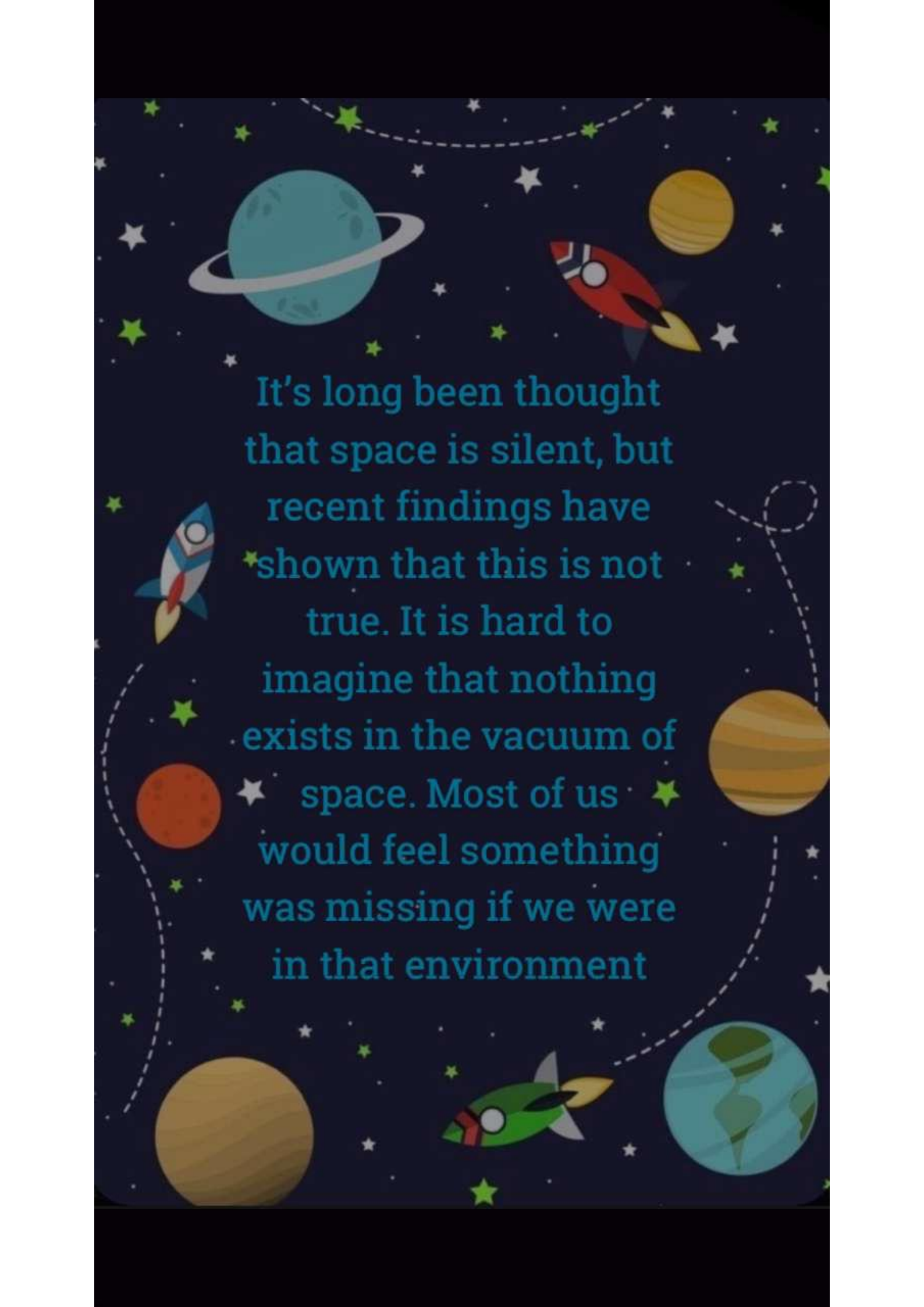
Congratulations, young adventurers, on our amazing journey through the Solar System! Each planet has its own wonders and surprises. Keep exploring and let your imagination soar among the stars. The universe is waiting for you to discover its endless charms!

SPACE

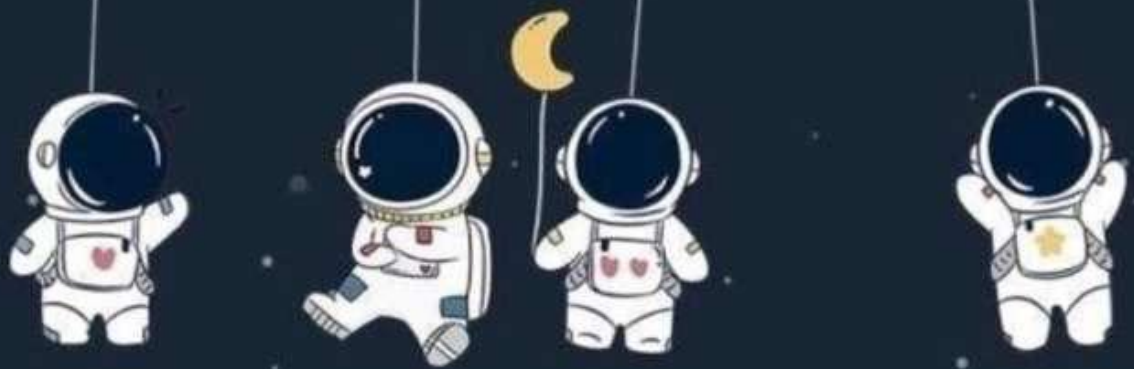
Space is a limitless three-dimensional distance with no clear border that defines either its endpoints or a limit to its size. As such, it differs from physical spaces. Conceptual spaces can be of two types: abstract spaces and concrete spaces (like

Space is an incredible place for metals, such as silver, copper, gold, and platinum.



The background is a dark blue space filled with white and green stars. A dashed white line traces a path through the scene. Various celestial bodies and spacecraft are scattered throughout: a large blue planet with a white ring (Saturn) in the upper left; a red rocket with a yellow flame in the upper right; a yellow planet with horizontal stripes (Jupiter) in the middle right; a blue rocket with a red flame on the left; a red planet (Mars) in the lower left; a yellow planet with horizontal stripes (Jupiter) in the lower right; a green rocket with a yellow flame at the bottom; and a blue and green planet (Earth) in the bottom right.

It's long been thought that space is silent, but recent findings have shown that this is not true. It is hard to imagine that nothing exists in the vacuum of space. Most of us would feel something was missing if we were in that environment



The first space station was salyut 1, which was launched by the soviet union on april 19, 1971.

Ghala Saleh
Mufarreh
Al-Zahrani

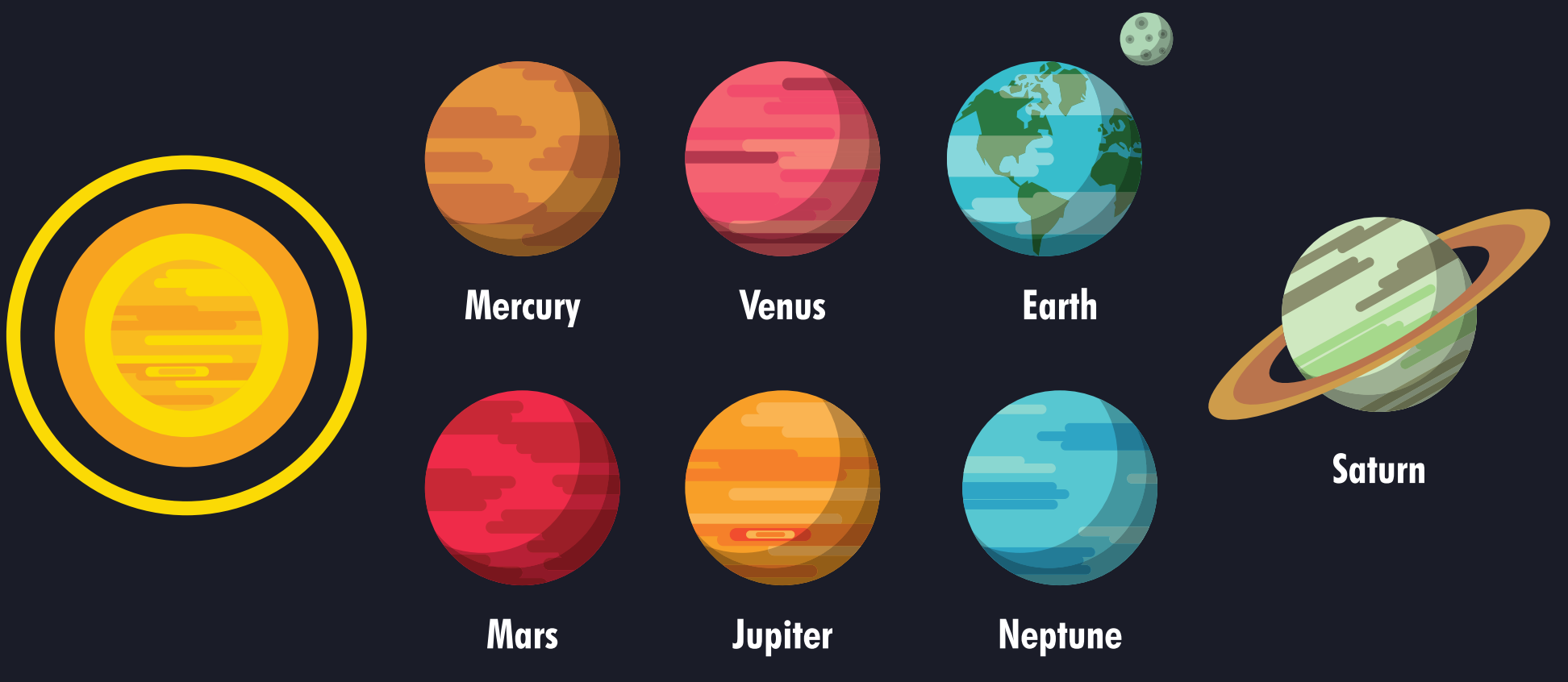


SPACE

adventure



Outer space begins about 100 km above the Earth, where the shell of air around our planet disappears. With no air to scatter sunlight and produce a blue sky, space appears as a black blanket dotted with stars. Space is usually regarded as being completely empty. But this is not true. The vast gaps between the stars and planets are filled with huge amounts of thinly spread gas and dust. Space is also filled with many forms of radiation that are dangerous to astronauts. Much of this infrared and ultraviolet radiation comes from the Sun. High energy X-rays, gamma rays and cosmic rays – particles travelling close to the speed of light – arrive from distant star systems. In space, no one can hear you scream. This is because there is no air in space. Sound waves cannot travel through a vacuum



Mercury

Venus

Earth

Saturn

Mars

Jupiter

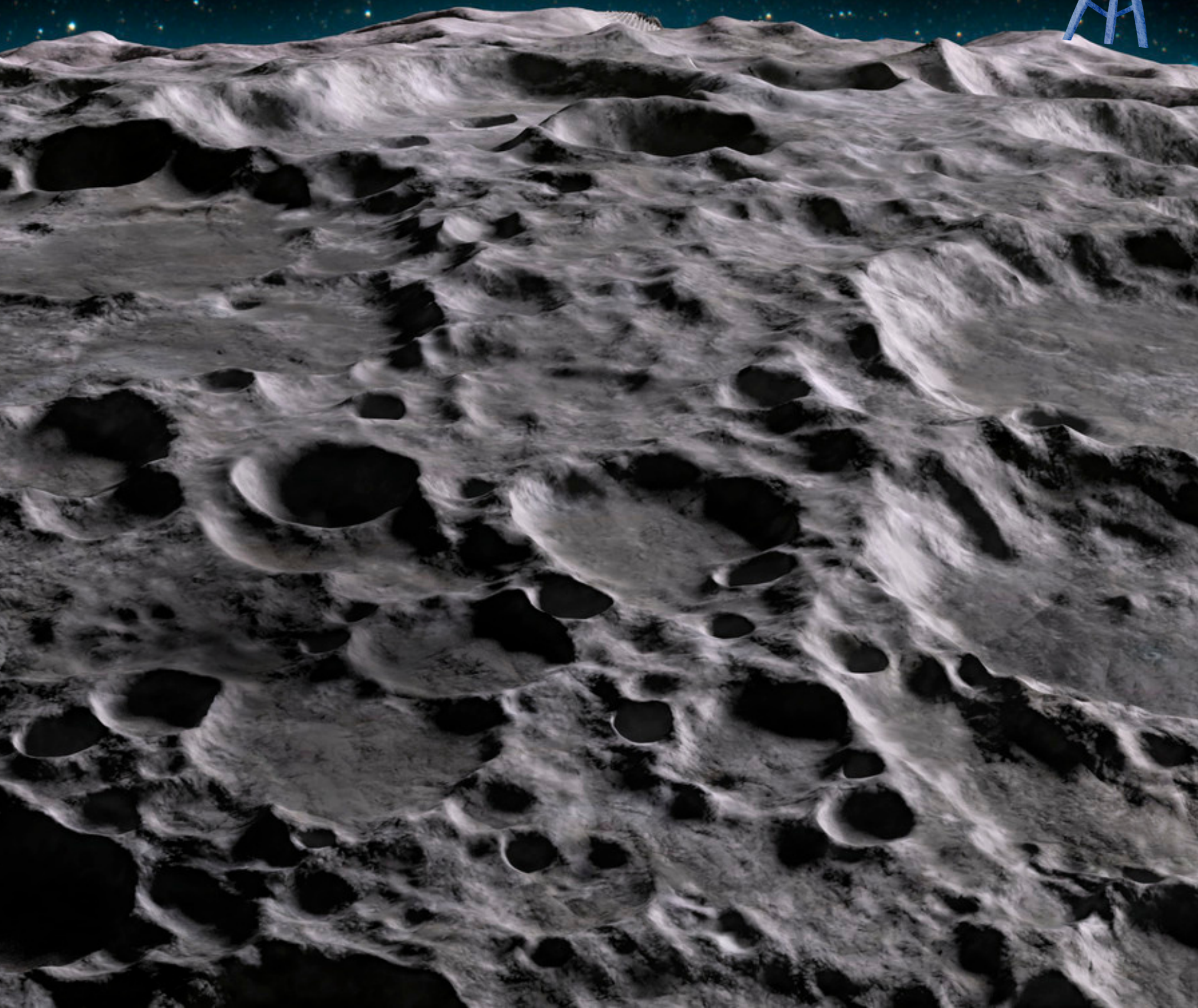
Neptune



MOON

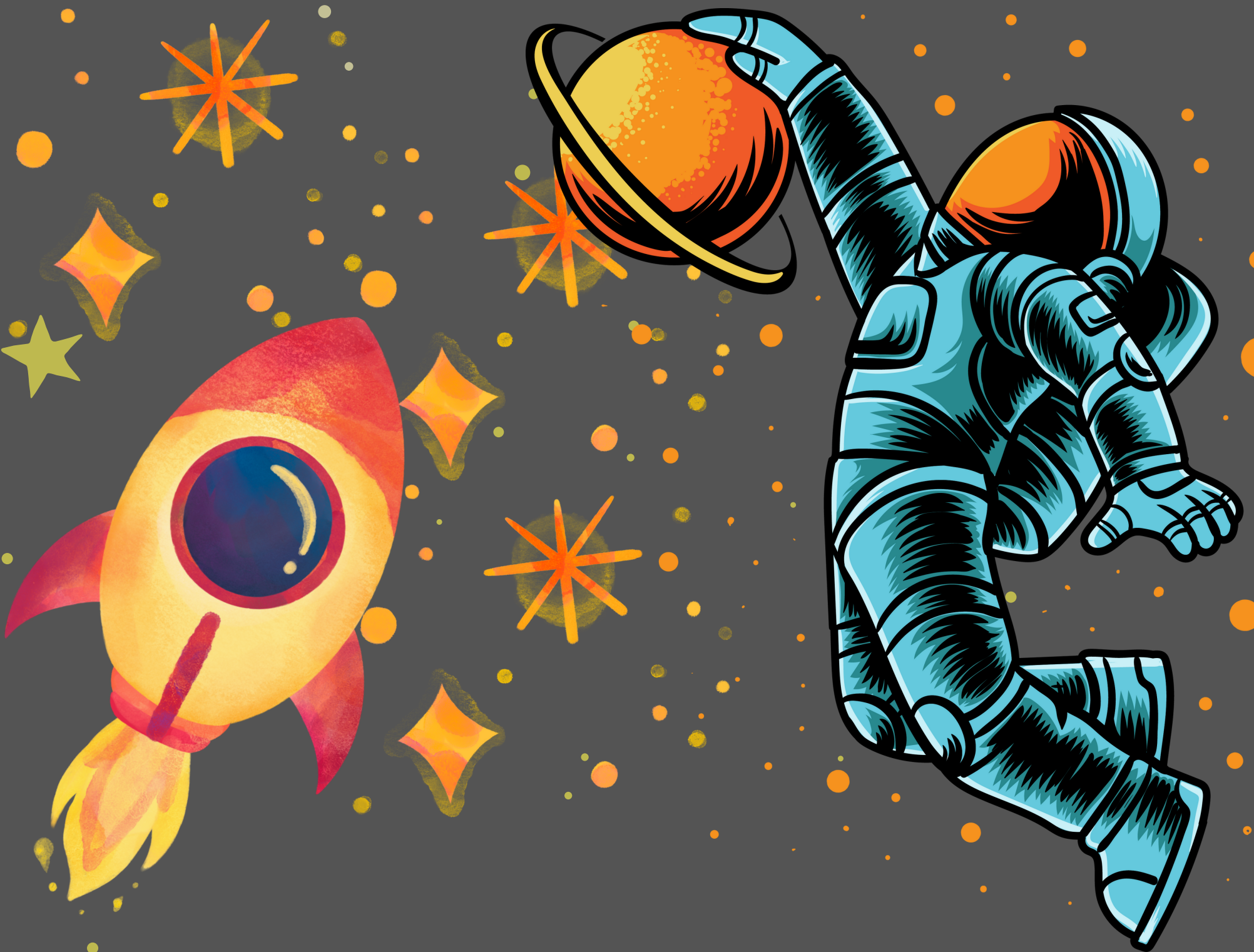
THE MOON IS A BARREN, ROCKY WORLD WITHOUT AIR AND WATER. IT HAS DARK LAVA PLAIN ON ITS SURFACE. THE MOON IS FILLED WITH CRATERS. IT HAS NO LIGHT OF ITS OWN.

IT GETS ITS LIGHT FROM THE SUN. THE MOON KEEPS CHANGING ITS SHAPE AS IT MOVES ROUND THE EARTH. IT SPINS ON ITS AXIS IN 29 DAYS



SUN

THE SUN IS A HUGE BALL OF GASES. IT HAS A DIAMETER OF 1,392,000 KM. IT IS SO HUGE THAT IT CAN HOLD MILLIONS OF PLANETS INSIDE IT. THE SUN IS MAINLY MADE UP OF HYDROGEN AND HELIUM GAS. THE SURFACE OF THE SUN IS KNOWN AS THE PHOTOSPHERE. THE PHOTOSPHERE IS SURROUNDED BY A THIN LAYER OF GAS KNOWN AS THE CHROMOSPHERES. WITHOUT THE SUN, THERE WOULD BE NO LIFE ON EARTH. THERE WOULD BE NO PLANTS, NO ANIMALS AND NO HUMAN BEINGS. AS, ALL THE LIVING THINGS ON EARTH GET THEIR ENERGY FROM THE SUN FOR THEIR SURVIVAL.

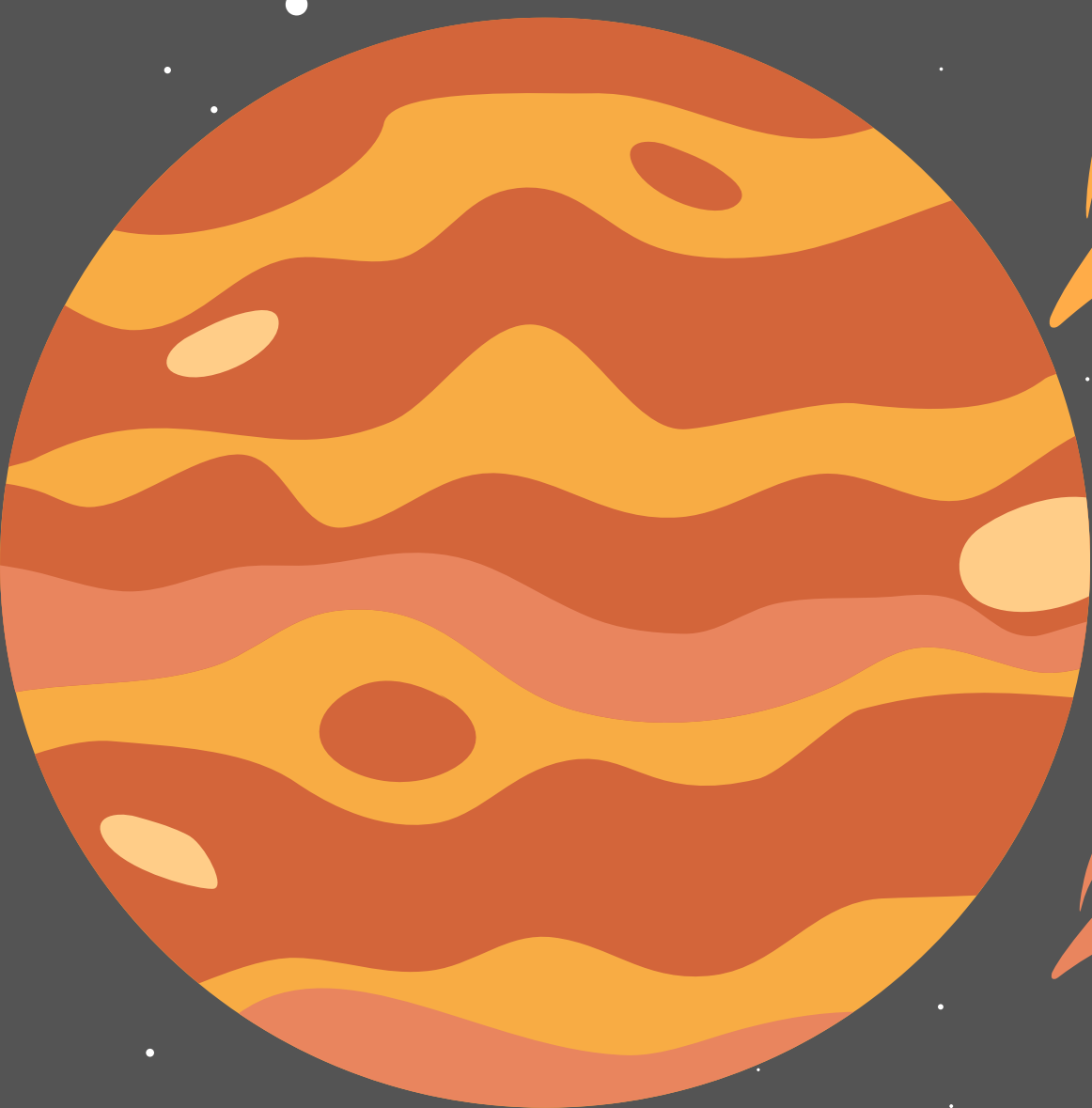


THE HOTTEST PLANET IN OUR SOLAR SYSTEM IS

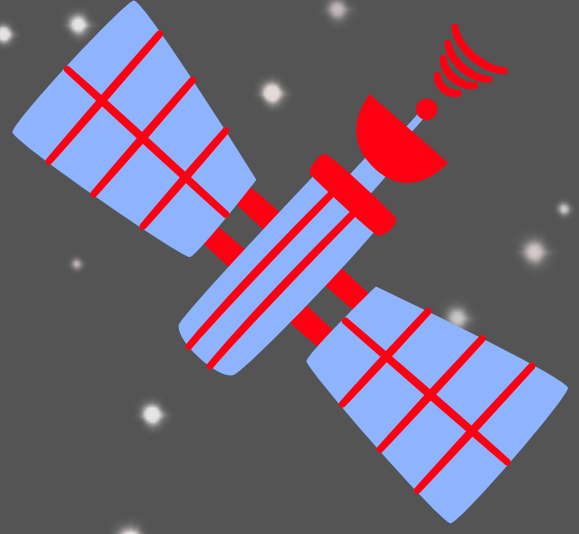
VENUS:



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PLANET MARS



MARS IS THE RED PLANET, WHICH IS CHARACTERIZED BY AN ATTRACTIVE COLOR, AND THE LOCATION OF THIS PLANET IN THE SOLAR SYSTEM IS THE FOURTH PLANET FROM THE SUN, AS THE DISTANCE BETWEEN IT AND THE SUN IS ABOUT 228.53 MILLION KM, AND MARS IS THE SECOND CLOSEST PLANET TO EARTH, AND IT WAS CLASSIFIED AS A ROCKY PLANET AND IT IS THE SEVENTH IN TERMS OF MASS AND VOLUME.






عمل الطالبة : ران
أحمد سالمين.

الثقب الاسود في الفضاء


THE BLACK HOLE IN SPACE

*Preparation of the student:
Ariyaf Abdullah Mohammed Mjarshi*

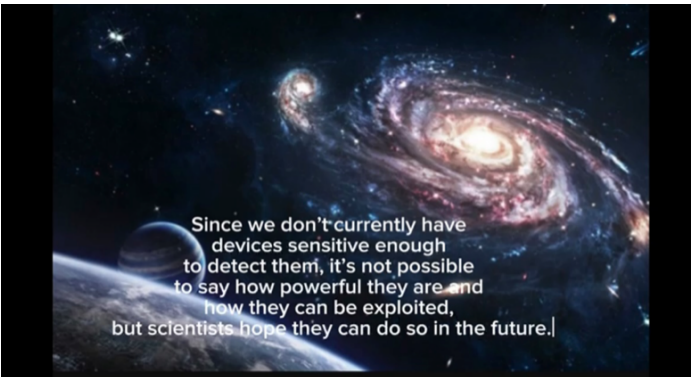
School 45 in Mecca



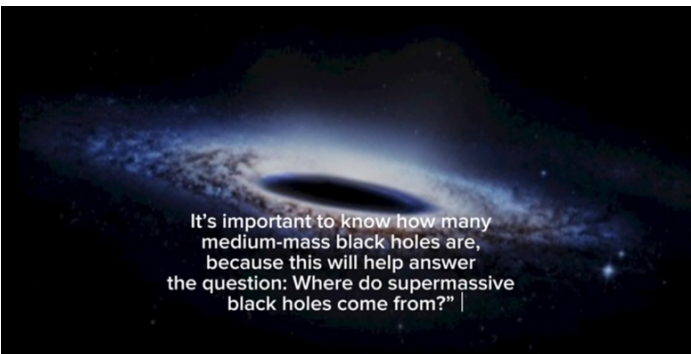
The black hole is famous for its fearsome destructive power to stars, and its star victims are not known for the ability to emanate again. But a new theory suggests that a black hole can re-emerge in stars!




Since not all stars end up inside the black hole, where elements of stars can be blown up in space, eventually merging them with new stars, the team's simulation also showed that these events can produce short waves of weak gravity.



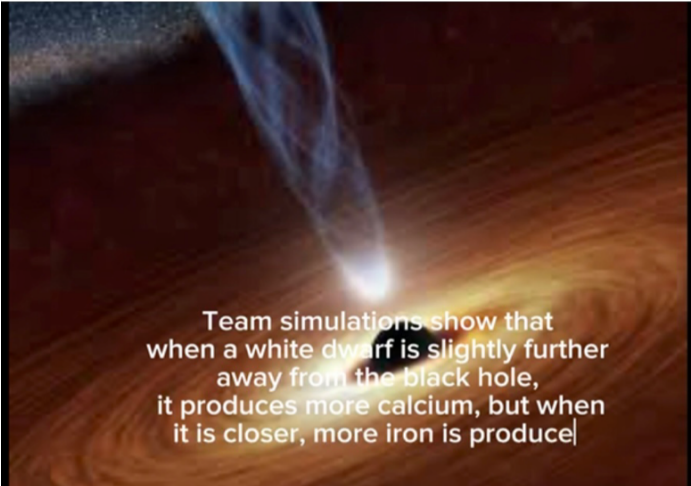
Since we don't currently have devices sensitive enough to detect them, it's not possible to say how powerful they are and how they can be exploited, but scientists hope they can do so in the future.



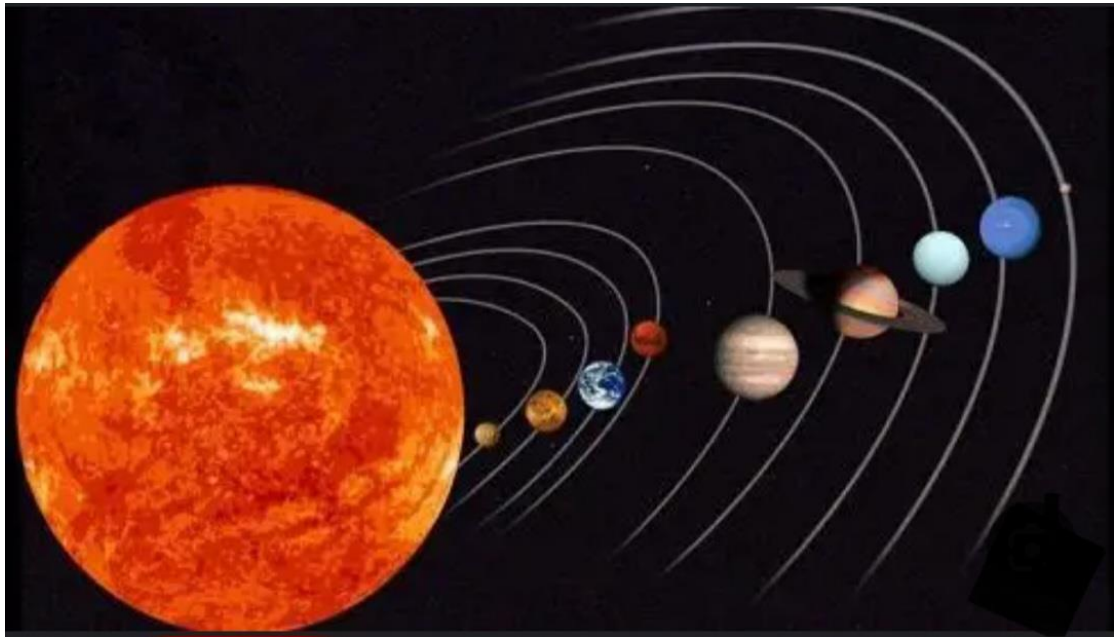
It's important to know how many medium-mass black holes are, because this will help answer the question: Where do supermassive black holes come from?" |



said astrophysicist Chris Fragel of the College of Charleston.



Team simulations show that when a white dwarf is slightly further away from the black hole, it produces more calcium, but when it is closer, more iron is produced



Have you ever wondered what the Milky Way looks like? What is a black hole?

How do we know what the universe is made of?

Explore these questions and many more In this list of 9 amazing, weird, and interesting facts about space

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concrete spaces (like the room you are in)

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launched by the Soviet
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No one knew what they
would find when the first
astronomical body space
explorations were launched
in 1965. The first mission
was to orbit the Earth, and

the second one was to orbit
the moon

The commercialization of
space began in 2020 with
the first private company,
SpaceX, launching a rocket
into orbit

Man was created to explore
the nature of his being,
which constitutes only a
small link in the vastness of
outer space, and he tried
hard to search for planets
suitable for life other than

planet Earth, and this dream continued to grow day after day, until man was able to send the first spaceship to outer space, and then he was able to land. On the surface of the moon, after which the trips to outer space continued, and the astronauts were able to know amazing information about outer space and the secrets in it, and despite that, science

remains short of knowing all its mysteries, as outer space is like dreams that a person cannot explain even if they are Its events are interconnected, as there remains a missing link that no one knows except by God's command



عمل الطالبة/مريم اسامه

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space

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حلم هاني المولد