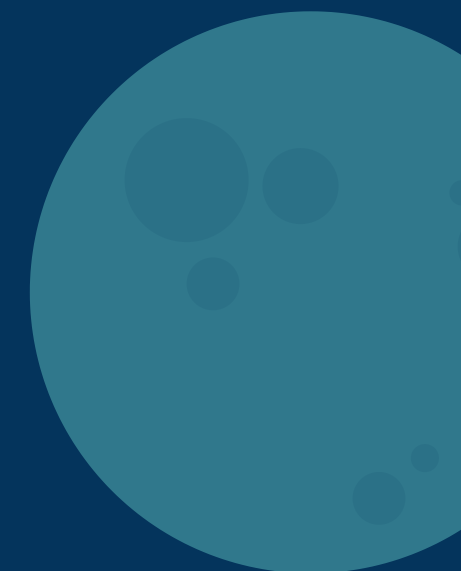
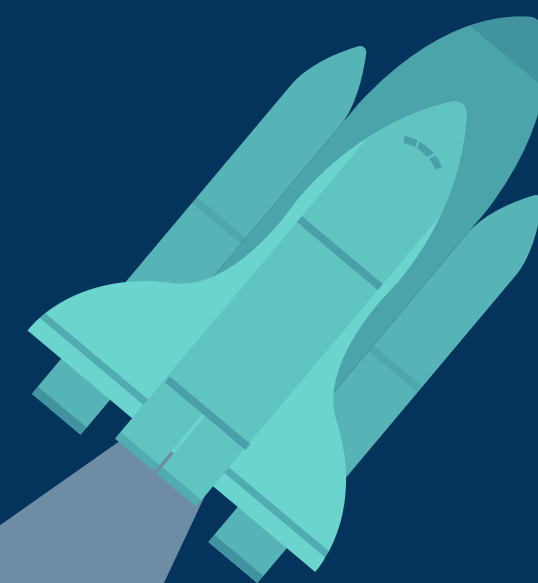
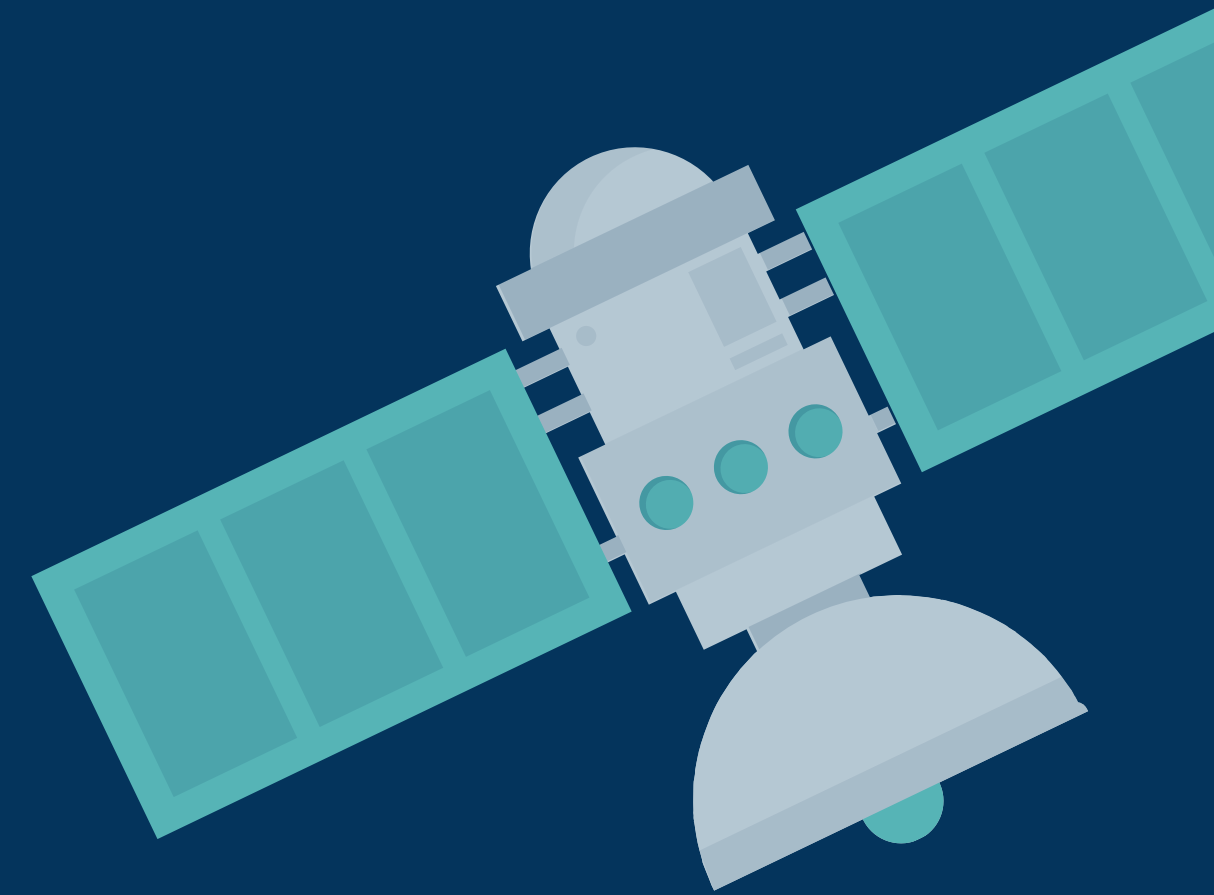


OUTER SPACE



outer space

SPACE IS KNOWN AS THE VOID THAT EXISTS BETWEEN CELESTIAL BODIES, AND IT IS CALLED OUTER SPACE TO DISTINGUISH IT FROM THE AIR SPACE THAT EXISTS AROUND THE EARTH. SPACE CAN ALSO BE DEFINED FROM A PHYSICAL PERSPECTIVE AS A THREE-DIMENSIONAL, UNLIMITED SPACE, IN WHICH OBJECTS TAKE A RELATIVE POSITION AND DIRECTION.



Outer space area

THE AREA OF OUTER SPACE: IT SHOULD BE NOTED THAT THE AREA OF OUTER SPACE CANNOT BE DETERMINED ACCURATELY, DUE TO THE DIFFICULTY FACED BY SPECIALIZED DETECTORS, AS LONG DISTANCES IN SPACE ARE MEASURED IN LIGHT-YEARS, WHICH MEANS THE DISTANCE THAT LIGHT TRAVELS IN ONE YEAR, AND IS ESTIMATED AT ABOUT 9.3 TRILLION KM. USING TELESCOPES AND CONDUCTING STUDIES, SPACE SCIENCE SPECIALISTS HAVE BEEN ABLE TO REDRAW GALAXIES SINCE THE BEGINNING OF THE UNIVERSE 13.7 BILLION YEARS AGO, THAT IS, BEFORE THE PHENOMENON OF THE BIG BANG OCCURRED IN THE UNIVERSE. ASTRONOMERS BELIEVE THAT SPACE CANNOT BE LIMITED, AS IT IS MUCH LARGER THAN WHAT HUMANS IMAGINE.





Outer space regions

Terrestrial space: It is the region near the Earth, which contains the upper region of the atmosphere and the magnetosphere.

The outer space of the Moon: It is the region confined between the Earth's atmosphere, the Moon's orbit, and .also the Angry points

Interplanetary space: It is the reality between the sun and the solar system, where the planets control it, extending from the sun's atmosphere, to the end of the long tail outside the planets. It includes: Mercury, Venus, Mars, Earth, Jupiter, Saturn, Uranus and Pluto, in .addition to gas. , dust, small meteorites, and plasma

Galaxies: The largest is the Milky Way Galaxy





The reason for the lack of gravity in outer space

The reason for the lack of gravity in outer space became clear after many trips to space. The reason for the lack of gravity in outer space is because it is relatively empty. There are no features indicating movement, and movement in space is extremely slow. Below are some aspects of the difference between Earth and space. Regarding gravity

Outer Space	the earth
It is very slow to reach the surface of another planet, and the period may reach several years	The speed at which objects reach the surface of the Earth when they are thrown.
When objects are thrown, they will not collide with the planets, but will simply orbit around them.	When objects are thrown, they will collide with the surface of the Earth

Components of outer space

Outer space contains many gases and small dust particles, in addition to some particles, radiation, and magnetic and electric fields. Space is not empty as many people think, as it contains a lot of matter. The space surrounding the stars is affected by the components of the stellar winds and magnetic fields. And what remains of the elements of the death of stars.

The empty regions surrounding stars are described as cold and fragile, as the number of molecules present varies from one medium to another. In some regions, every 1 cm² contains only one molecule, while other regions contain many molecules. Hydrogen and helium molecules are also widespread in the interstellar environment, as they constitute 98% of the molecules. Some other elements are available, but at a lower density than hydrogen and helium, and they are as follows:

.Oxygen. Nitrogen. Calcium. Carbon. Some other minerals



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