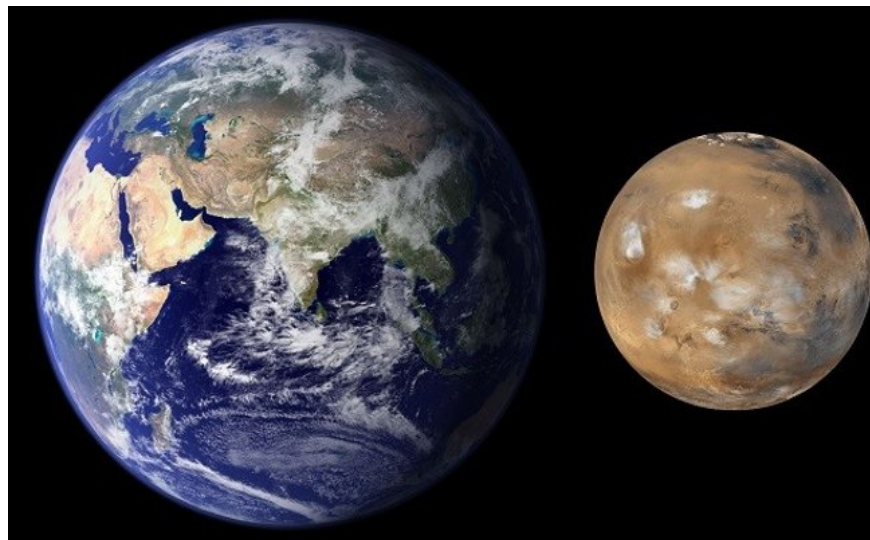


# Interesting facts about Mars may be unknown to you

Mars - The red planet contains many mysteries inside, here are interesting facts that will surely surprise you.

So far, the vast cosmic world still contains many mysteries that modern science has not yet discovered. Including **Mars - Red Planet** - one of the planets that we can sometimes use the naked eye to see when standing from Earth. Here are the most **interesting facts** about the planet Mars will surely surprise you.



1. Of all the planets in **the Solar System** , Mars is a planet thought by many scientists to be capable of survival.
2. Mars day is longer than Earth day. One day Earth is 23 hours 56 minutes, while one day Mars is **24 hours 39 minutes 35 seconds** .
3. The Martian surface is similar to the Earth's surface, also made up of frozen carbon dioxide and a small amount of water.
4. Scientists believe that Mars once had surrounding **water** like Earth and may also have a **blue sky** .
5. Mars also has **four seasons** a year like Earth, which means that when the Earth is  $23.5^{\circ}$  , Mars inclines  $25.19^{\circ}$  .
6. When observing from Earth, the size of the Sun is only half the size of Mars.
7. Rocks from Mars fall to Earth are fragments due to meteorite collisions in space.



8. The planet Mars is named after **the Roman God of War** , because it has the same color as blood.
9. In Greek mythology, Mars is called **Ares** .
10. Only 1/3 of the mission to travel to Mars is successful.
11. Mars is often called the "*red planet* " because the surface of Mars is red.
12. For the first time scientists discovered water that could exist on the surface of Mars in 1971, when they discovered large **volcanoes** on its surface. This shows that Mars has a heating ability but does not retain heat to survive life.



13. The **Romans** and **ancient Egyptians** studied the sky and realized that Mars was a planet similar to Earth. They, along with people living in Babylon City, show that Mars is a farther away from the Sun than Earth.

14. The reason why Mars is red is because its surface contains **iron oxide** , which we often call " *rust* ." That's what makes the planet Mars look red.

15. This planet has a crust between 50km and 125km thick depending on the place. It is about 40km thicker than Earth's crust.

16. The lack of vegetation reveals that Mars is the planet that often occurs **dust storms** . These storms are similar to storms that occur on Earth and are capable of causing **soil erosion** over time.



17. Mars is 141 million miles from the Sun ( *equivalent to 226,917,504 km* ).

18. Mars, like Earth, is less protected from ultraviolet radiation.

19. Temperatures throughout the year range from  $-140^{\circ}\text{C}$  to  $70.7^{\circ}\text{C}$ .

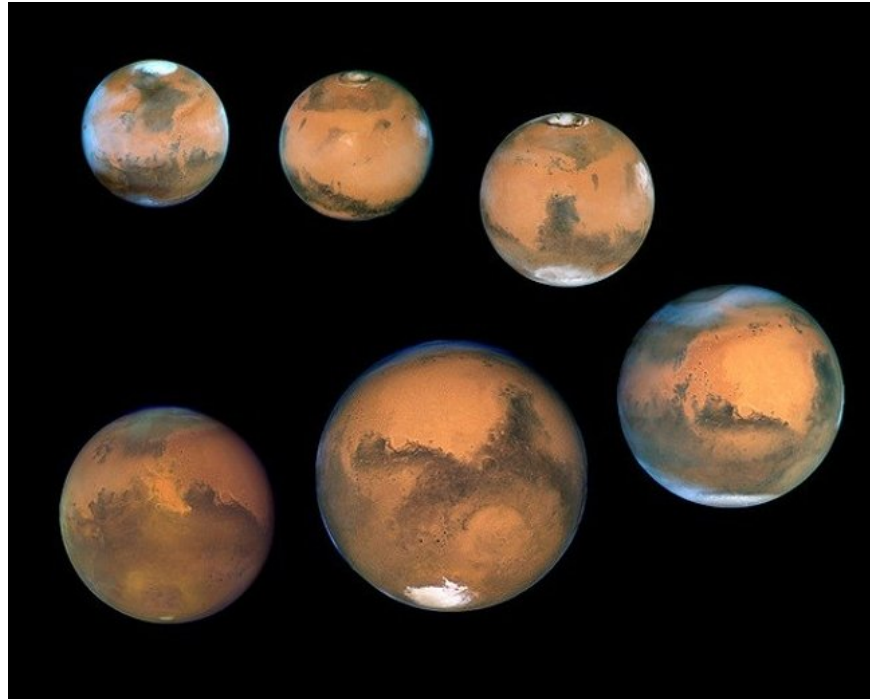
20. Mars is only one tenth the size of the Earth with a density of  $3,933\text{ grams / cm}^3$  .

21. Having a smaller mass, Mars's gravity is also lower than Earth's. This means that a person or an object that weighs 45kg on Earth on Mars will weigh only 17kg.

22. If the Statue of Liberty is built on Mars exactly the same as Earth, it will be 84,825 kg lighter than Earth.

23. Mars's gravity is only 1/3 of Earth's gravity, meaning you can jump 3 times higher than normal.

24. One year on Mars equals **687 Earth days** .



25. Mars also has four seasons similar to the Earth, except that the seasons are twice as long. This means that Mars has **a one-year cycle that** helps people understand and adapt.

26. Venus has a higher **survival** ability than Mars.

27. In 1970, the **Viking** probe captured images of giant pyramids and faces that existed on the surface of Mars.

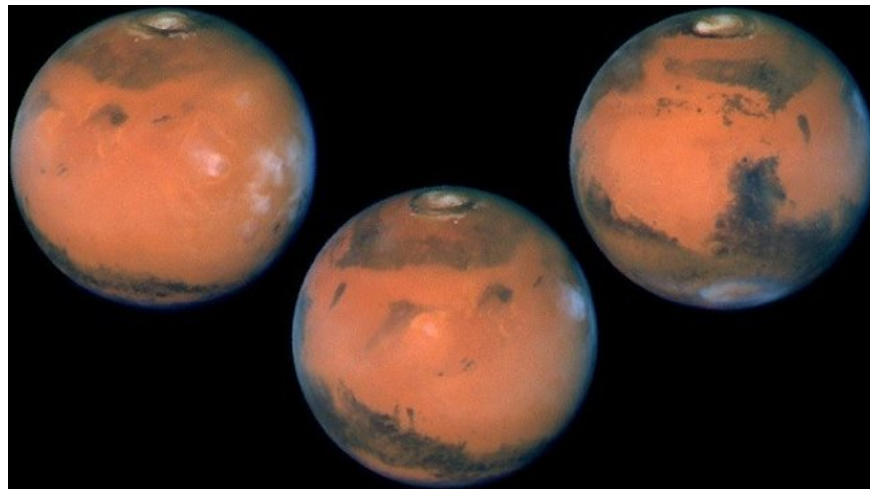


28. Mars has **the most intense weather** in the solar system, including strong storms, dust storms and small tornadoes.

29. In 2001, a giant dust storm covered the entire planet of Mars for a few days on Earth.

30. Mars has more storms when the planet approaches the Sun.

31. Mars has two moons, their names are **Deimos** and **Phobos** .



32. Phobos moon's orbit is very close to the Martian atmosphere. This means that one day, gravity will crash into the Moon and break into pieces. The fragments will be in the Moon's orbit, forming a circle like **Saturn** 's belt.

33. Phobos and Deimos, named after the son of **Ares** .

34. On November 13, 1971, **the Mariner 9** arrived at Mars and officially became the first artificial satellite on the Moon's orbit.

35. The Mariner 9 can measure 100% of Mars's surface and take the first close-up shots of the Moon Phobos and Moon Deimos on Mars.

36. Mariner 9 captured a total of 7,329 photos of Mars and stayed in the orbit for 349 days.



37. In 1976, **Viking 1 and 2 exploration** ships were the first cruise ship to successfully set foot on Mars.

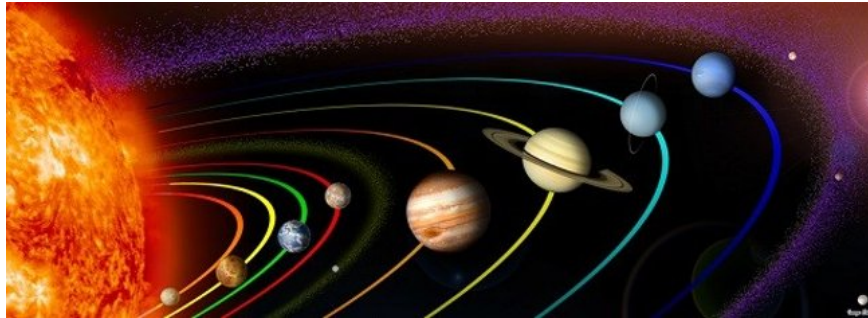
38. When the Viking 1 and 2 ships arrived, no one knew what the Martian surface looked like.

39. **The Mars probe** ( *Mars Global Surveyor* ) was the first success when it approached Mars for 20 years. It was started on November 7, 1996.

40. The Mars probe has captured thousands of images of Mars.

41. If you try to set foot on the surface of the Moon without cosmic clothes, then you can die instantly.

42. Mars is the fourth planet from the Sun and the seventh largest planet.



43. The largest volcano in **the Solar System** is Mars, called **Olympus Mons**. In Latin is Mount Olympus.

44. Mount Olympus Mons is 27 km high and 600 km wide, 8.85 km higher than Mount Everest.

45. Mount Olympus Mons is a **shield-shaped volcano** , which means it can grow much larger by the lava flows erupting inside.

46. ??From March " *March* " in English comes from Mars.

47. The moon of Mars was discovered by an American astronomer named **Asaph Hall** in 1877.



48. The diameter of Mars is about 6791 km.

49. The first spacecraft to visit Mars is **the Mariner 4** in 1965.
50. One year on Mars is one year, 320 days and 18.2 hours on Earth.
51. The mission to Mars was launched in 2011. It is a larger and more advanced version of the Mars probe.
52. There are currently 12 artificial objects on Mars.
53. Scientists say they found a human skull on Mars.
54. The distance from Mars to the Sun is 1.5 times that of Earth.

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