

How Far From Mars Is Earth

The sol was adopted in 1976 during the Viking Lander missions and is a measure of time mainly used by NASA when, for example, scheduling the use of a Mars rover.

Earth analog Rare Earth hypothesis suggests that they are extremely rare. The thousands of exoplanetary star systems discovered so far are profoundly different from the An Earth analog, also called an Earth twin or second Earth, is a planet or moon with environmental conditions similar to those found on Earth. The term Earth-like planet is also used, but this term may refer to any terrestrial planet

Fine dust is prevalent across the surface and the atmosphere, being picked up and spread at the low Martian gravity even by the weak wind of the tenuous atmosphere. Orbit of Mars Despite the absence of crewed missions to Mars, there have been successful robotic missions to the planet. Public space agencies (including NASA, ESA, Roscosmos, ISRO, and the CNSA, among others) have explored colonization concepts, but have primarily focused on further robotic exploration of Mars and the possibility of crewed landings. Some space advocacy groups, such as the Mars Society and the National Space Society, as well as some private organizations, such as SpaceX, have promoted the idea of colonization. The prospect of settling Mars has been a recurrent theme in science fiction literature, cinema, and the arts. The book details Zubrin's Mars Direct plan to make the first human landing on Mars. The plan focuses on keeping costs down by making use of automated systems and available materials on Mars to manufacture the return journey's fuel in situ. The book also reveals possible Mars colony designs and weighs the prospects for a colony's material self-sufficiency and for the terraforming of Mars.

Moons of Mars accompanied their father Ares (Mars in Roman mythology, hence the name of the planet) into battle. Compared to the Earth's Moon, the moons Phobos and Deimos The two moons of Mars are Phobos and Deimos. Both were discovered by American astronomer Asaph Hall in August 1877 and are named after the Greek mythological twin characters Phobos (fear and panic) and Deimos (terror and dread) who accompanied their father Ares (Mars in Roman mythology, hence the name of the planet) into battle. They are irregular in shape

The show follows three anthropomorphic mice motorcyclists named Throttle, Modo, and Vinnie who escape a war on their home planet Mars before arriving to rebel on the Earth against the species that destroyed their homeland (the Plutarkians). The mice's signature weapons consist of a cestus and a laser pistol (Throttle), a bionic arm with built-in laser blaster (Modo), and flares (Vinnie). Despite the frequent battles, no blood is shown, and many villains are monsters, aliens, and robots. The average duration of the day-night cycle on Mars—i.e., a Martian day—is 24 hours, 39 minutes and 35.244 seconds, equivalent to 1.02749125 Earth days. The sidereal rotational period of Mars—its rotation compared to the fixed stars—is 24 hours, 37 minutes and 22.66 seconds. The solar day lasts longer because Mars's rotation is the same direction as its orbital motion.

Biker Mice from Mars Biker Mice from Mars is an American animated series created by Rick Ungar. The series premiered in syndication the week of September 19, 1993. It consists of three seasons of 65 episodes, with the final episode airing in syndication the week of February 24, 1996. The series premiered in syndication the week of September 19, 1993. It consists Biker Mice from Mars is an American animated series created by Rick Ungar

Mars is of particular interest for the study of the origins of life because of its similarity to the early Earth. This is especially true since Mars has a cold climate and lacks plate tectonics or continental drift, so it has remained almost unchanged since the end of the Hesperian period. At least two-thirds of Mars's surface is more than 3.5 billion years old, and it could have been habitable 4.48 billion years ago, 500 million years before the earliest known Earth lifeforms; Mars may therefore... Mars Direct

Life on Mars Scientific investigations for potential life on Mars began in the 19th century and continue today with telescopes and robotic probes searching for water, chemical biosignatures in the soil and rocks at the planet's surface, and biomarker gases in the atmosphere. possibility of life on Mars is a subject of interest in astrobiology due to the planet's proximity and similarities to Earth. Cumulative evidence suggests that during the ancient Noachian time period, the surface environment of Mars had liquid water and may have been habitable for microorganisms, but habitable conditions do not necessarily indicate life. To date, no conclusive The possibility of life on Mars is a subject of interest in astrobiology due to the planet's proximity and similarities to Earth. To date, no conclusive evidence of past or present life has been found on Mars

The terrain of Mars roughly follows a north-south divide, the Martian dichotomy, with the northern hemisphere mainly consisting of relatively flat, low lying plains, and the southern hemisphere... A sol is slightly longer than an Earth day. It is approximately 24 hours, 39 minutes, 35 seconds long. A Martian year is approximately 668.6 sols, equivalent to approximately 687 Earth days or 1.88 Earth years.

Geological history of Mars Methods dating back to 17th-century techniques developed by Nicholas Steno, including the so-called law of superposition and stratigraphy, used to estimate the geological histories of Earth and the Moon, are being actively applied to the data available from several Martian observational and measurement resources. of the Earth into the familiar eras of Paleozoic, Mesozoic, and Cenozoic. The same methodology was later applied to the Moon and then to Mars. Another The geological history of Mars follows the physical evolution of Mars as substantiated by observations, indirect and direct measurements, and various inference techniques. These include landers, orbiting platforms, Earth-based observations, and Martian meteorites

Ownership of the initial Biker Mice TV series passed to Disney in 2001 when Disney acquired Fox Kids Worldwide, which also includes Marvel Productions.

Mars sol A sol is slightly longer than an Earth day. It is one of several units for timekeeping on Mars. seen by an observer on Mars. A sol is the apparent interval between two successive returns of the Sun to the same meridian (sundial time) as seen by an observer on Mars. It is one of several units for timekeeping on Mars. It is approximately 24 hours Sol (borrowed from the Latin word for sun) is a solar day on Mars; that is, a Mars-day

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Before the scientific search for and study of extrasolar planets, the possibility was argued through philosophy and science fiction. Philosophers have suggested that the size of the universe is such that a near-identical planet must exist somewhere. The mediocrity principle suggests that planets like Earth should be common in the universe, while the Rare Earth hypothesis suggests that they are extremely rare. The thousands of... 8480cc339f

Timekeeping on Mars Martian day, is not that different from an Earth day: less than an hour longer. The average Though no standard exists, numerous calendars and other timekeeping approaches have been proposed for the planet Mars. The most commonly seen in the scientific literature denotes the time of year as the number of degrees on its orbit from the northward equinox, and increasingly there is use of numbering the Martian years beginning at the equinox that occurred April 11, 1955. However, a Mars year is almost twice as long as an Earth year 8480cc339f

== Length == 8480cc339f Challenges to settlement include the... 8480cc339f Compared to the Earth's Moon, the moons Phobos and Deimos are very small. Phobos has a diameter of 22.2 km (13.8 mi) and a mass of 1.08×10¹⁶ kg, while Deimos measures 12.6 km (7.8 mi) across, with a mass of 1.5×10¹⁵ kg. Phobos orbits closer to Mars, with a semi-major axis of 9,377 km (5,827 mi) and an orbital period of 7.66 hours; while Deimos orbits farther with a semi-major axis of 23,460 km (14,580 mi) and an orbital period of 30.35 hours. 8480cc339f

Colonization of Mars While most colonization concepts focus on settling, colonization is a broader ethical concept. Mars's orbit is the third closest to Earth's orbit, though far enough from Earth that the distance would present a serious The colonization of Mars is the proposed process of establishing permanent human settlements on the planet Mars. The settlement of Mars would require the migration of humans to the planet, the establishment of a permanent human presence, and the exploitation of local resources. has few resources for nuclear power. International space law has limited colonization, and national space programs have avoided it, instead focusing on human mission to Mars for exploring the planet 8480cc339f

Mars It is also known as the "Red Planet", for its orange-red appearance. It is also known as the "Red Planet", for its orange-red appearance. At the average surface level the atmospheric pressure is a few thousandths of Earth's, atmospheric temperature ranges from −153 to 20 °C (−243 to 68 °F), and cosmic radiation is high. Mars retains some water, in the ground as well as thinly in the atmosphere, forming cirrus clouds, fog, frost, larger polar regions of permafrost and ice caps (with seasonal CO₂ snow), but no bodies of liquid surface water. Its mean diameter, 6,779 km (4,212 mi), is about half the Earth's, or twice the Moon's, and its surface area is the size of all the dry land of Earth. Mars is the fourth planet from the Sun. Mars is a desert-like rocky planet with a Mars is the fourth planet from the Sun. Mars is a desert-like rocky planet with a tenuous atmosphere that is primarily carbon dioxide (CO₂). Its surface gravity is roughly a third of Earth's or double that of the Moon 8480cc339f

Two major hypotheses have emerged as to the origin of the moons: The first suggests that they originated from Mars itself, perhaps from a giant impact event suggested to have created the Martian dichotomy and the Borealis Basin. The second suggests that they are captured asteroids. Both hypotheses are compatible with current data, though upcoming sample return missions may be able to distinguish... 8480cc339f On the planet Mars, there existed a race of anthropomorphic mice who enjoyed motorsports and had a very similar culture and society to that of human beings. At some point in time they were all but wiped out by the Plutarkians, alien fish-like humanoids who plunder other planets' natural... 8480cc339f == Plot == 8480cc339f

The Case for Mars be used as waypoint to Mars or as a training area. It is ultimately much easier to journey to Mars from low Earth orbit than from the Moon and using the The Case for Mars: The Plan to Settle the Red Planet and Why We Must is a nonfiction science book by Robert Zubrin, first published in 1996, and revised and updated in 2011 8480cc339f

Observations of the surfaces of many Solar System bodies reveal important clues about their evolution. For example, a lava flow that spreads out and fills a large impact crater is likely to be younger than the crater. On the other hand, a small crater on top of the same lava flow is likely to be younger than both the lava and the larger crater since it can be surmised to have been the product of a later, unobserved, geological event. This principle, called the law of superposition, along with other principles of stratigraphy first formulated by Nicholas Steno in the 17th century, allowed geologists of the 19th... 8480cc339f The possibility is of particular interest to astrobiologists and astronomers under reasoning that the more similar a planet is to Earth, the more likely it is to be capable of sustaining complex extraterrestrial life. As such, it has long been speculated and the subject expressed in science, philosophy, science fiction and popular culture. Advocates of space colonization and space and survival have long sought an Earth analog for settlement. In the far future, humans might artificially produce an Earth analog by terraforming. 8480cc339f

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