



# How many planets away from the sun is earth

The table below (first created by Universe Today founder Fraser Cain in 2008) shows all the planets and their distance to the Sun, as well as how close these planets get to Earth. Mercury Closest ...

The Moon is an average of 238,855 miles (384,400 kilometers) away. That means 30 Earth-sized planets could fit in between Earth and the Moon. The Moon is slowly moving away from Earth, getting about an inch farther away each year. ...

Because the sun is losing mass, its pull on Earth is weakening, leading our planet to drift away from our star by about 2.36 inches (6 centimeters) per year, DiGiorgio said. But we shouldn't throw ...

Earth is the third planet from the Sun, with an average distance of 150 million km or 1 AU. Learn more about Earth and the other seven planets in the Solar System, their distances, sizes, temperatures, and features.

Astronomers refer to the average Earth-sun distance as an astronomical unit (AU), which is approximately 93 million miles (150 million kilometers), as defined by the International Astronomical ...

One AU is the distance from the Sun to Earth's orbit, which is about 93 million miles (150 million kilometers). When measured in astronomical units, the 886,000,000-mile (1,400,000,000-kilometer) distance from the Sun to Saturn's orbit, is a ...

Size: Earth has a diameter of 7,926 miles (12,756 kilometers).Distance from the Sun: Earth is the third planet from the Sun, which is about 93 million miles (150 million km) away.Orbit around the ...

Each and its sister planets orbit the Sun at a distance on their elliptical orbits. The vast immeasurable universe contains an infinite number of planets. ... (587,410,560 km) away from Earth at their closest interaction and 601,000,000 mi (967,215,744 km) at the farthest. Jupiter has an average distance from Earth of 390,000,000 mi ...

The web page shows the distance of each planet to the Sun in kilometers and astronomical units, as well as their closest and farthest points to Earth. Earth is 150 million km (1 AU) from the Sun on average, and 147 million ...

Earth is the fifth largest planet in the solar system. It has an equatorial diameter of about 7,926 miles (12,756 kilometers). Earth is the third planet from the Sun, orbiting at an average distance of 93 million miles (149.7 ...

Because the planet is so close to the Sun, day temperatures can reach highs of 800°F (430°C). ... (58 million kilometers), Mercury is 0.4 astronomical units away from the Sun. One astronomical unit (abbreviated as AU), is the distance from the Sun to Earth. ... Mercury is the second densest planet, after



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Earth. It has a large metallic core ...

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Mars has a dense core at its center between 930 and 1,300 miles (1,500 to 2,100 kilometers) in radius. It's made of iron, nickel, and sulfur. Surrounding the core is a rocky mantle between 770 and 1,170 miles (1,240 to 1,880 kilometers) thick, ...

From an average distance of 93 million miles (150 million kilometers), Earth is exactly one astronomical unit away from the Sun because one astronomical unit (abbreviated as AU), is the distance from the Sun to Earth. This unit provides ...

Mars is the fourth planet from the sun and is the last terrestrial planet. Mars is the focus of NASA and SpaceX because it is the only planet that humans can somewhat survive on (with the help of technology and science, of course). Mars is very cold and is currently inhabited solely by robots. Mars' gravity is 1/3 of that on Earth, but it is enough for humans to live on.

Each and its sister planets orbit the Sun at a distance on their elliptical orbits. The vast immeasurable universe contains an infinite number of planets. ... (587,410,560 km) away from Earth at their closest interaction and ...

The eight planets in our Solar System, in order from the Sun, are the four terrestrial planets Mercury, Venus, Earth, and Mars, followed by the two gas giants Jupiter and Saturn, and the ice giants Uranus and Neptune.

From an average distance of 886 million miles (1.4 billion kilometers), Saturn is 9.5 astronomical units away from the Sun. One astronomical unit (abbreviated as AU), is the distance from the Sun to Earth. From this distance, it takes sunlight 80 minutes to travel from the Sun to Saturn.

From an average distance of 484 million miles (778 million kilometers), Jupiter is 5.2 astronomical units away from the Sun. One astronomical unit (abbreviated as AU), is the distance from the Sun to Earth. From this distance, it takes sunlight 43 minutes to travel from the Sun to Jupiter.

The planet Earth orbits the sun in roughly 365 days but this is not in a perfectly circular orbit. As such we are slightly differing distances from this massive star throughout the year. On average we are 93 million miles (150 million kilometers) away from the sun, sometimes closer or further away depending on our orbit.

Jupiter is the fifth planet from the Sun, and the largest in the solar system - more than twice as massive as the other planets combined. ... Use this tool to compare Jupiter to Earth, and other planets. Analyze and Compare. Exploring Jupiter.



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From an average distance of 93 million miles (150 million kilometers), Earth is exactly one astronomical unit away from the Sun because one astronomical unit (abbreviated as AU), is ...

Earth is the third planet from the Sun meaning Mars as the fourth is actually a near neighbor to our own planet. So although Mars is a small planet it is easily visible in the night sky and has been noticed since ancient times. ... On average it is 142 million miles (228 million kilometers) away from the Sun although it can be both closer and ...

Length of day 25 Earth days at the equator and 36 Earth days at the poles.. Length of year The Sun doesn't have a "year," per se. But the Sun orbits the center of the Milky Way about every 230 million Earth years, bringing the planets, asteroids, comets, and other objects with it.

Just how close is the Sun to Earth? Way, way closer than other stars, but still pretty far away. It's approximately 93 million miles away from Earth. That's 400 times farther than the distance between Earth and the Moon! However, it's a good thing that Earth isn't too close to the Sun. If we were too close, it would be way too hot to ...

Sometimes the distances will be closer and other times they will be farther away. The reason for this is that the planets have elliptical orbits and none of them are perfect circles. As an example, ... 1 AU is the distance from the Sun to Earth, which is 149,600,000 km.

Researchers have found that some near-Earth asteroids are actually burned-out comets, and most of them would have started out in the Kuiper Belt. Many comets crash into the Sun or the planets. Those that have close encounters with Jupiter tend to be ripped apart or tossed out of the solar system entirely.

Thus, the Sun occupies 0.00001% (1 part in  $10^7$ ) of the volume of a sphere with a radius the size of Earth's orbit, whereas Earth's volume is roughly 1 millionth ( $10^{-6}$ ) that of the Sun. Jupiter, the largest planet, is 5.2 AU from the Sun and has a radius of 71,000 km (0.00047 AU; 44,000 mi), whereas the most distant planet, Neptune, is 30 AU ...

How to Use the Planet Chart. Using the four buttons at the top, select either Distance from the Sun, Distance from the Earth, Size in the Sky, or Brightness to control how the planets are displayed.; Press the Play button at the bottom of the chart to make time move in fast forward mode. You can also move backward and forwards in time by sliding the hand cursor along the ...

The planet Earth is 93 million miles away from the sun, and with a diameter of 7,926 miles, it is the fifth largest planet in the solar system. As far as we know, it is the only planet with life, and about 70 percent of its surface is covered in water. Earth revolves around the sun once every 365 days and rotates on its axis in 24 hours.

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At different times of the year, the Earth either moves closer or farther away from the Sun. At perihelion, the Earth's closest distance to the Sun, the distance between the Sun and the Earth is 91.4 million miles. The Earth is closest to the Sun in early January. At aphelion, when the Earth is furthest to the Sun, the distance between them is ...

The Moon is an average of 238,855 miles (384,400 kilometers) away. That means 30 Earth-sized planets could fit in between Earth and the Moon. The Moon is slowly moving away from Earth, getting about an inch farther away each year. ... rotating on its axis as it orbits the Sun - from our perspective, the Moon appears to orbit us every 29 days ...

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