



# How big is

## How big is the Earth?

The Earth has a radius of 2.439 kilometers /1.516 miles and a diameter of only 12.742 km /7.917 mi. When it comes to weight, the mass of Earth is equivalent to 5.9 quadrillion kg. In the Solar System, our Earth is the fifth largest planet and the largest of the terrestrial planets.

## How big is the universe?

Put simply, we don't know. The best current estimate is that the universe's diameter is at least 93 billion light-years. And if cosmic inflation is correct (a long story, but a likelihood), then the visible universe that we see may not be the whole thing. As much as it sounds like science fiction, the universe could actually be infinite in size.

## How big is the Earth compared to other celestial objects?

But once you start to understand the Earth's dimensions and compare them to other celestial objects, you realize that we live on a truly extraordinary planet. The Earth is like a giant ball with a diameter of approximately 7,918 miles (12,742 kilometers).

## How big is the earth's core?

The hot, dense inner core measures approximately 1,516 kilometers (942 miles) in radius, while the liquid outer core extends to about 3,486 kilometers (2,166 miles) from Earth's center. The mantle and crust complete this complex arrangement, each layer contributing to Earth's overall size and stability.

## How much does Earth weigh?

The volume of Earth is 260 billion cubic miles (1.086 trillion cubic kilometers), while its mass is  $6.6 \times 10^{21}$  tons ( $6 \times 10^{21}$  metric tons), according to NASA. With these values known, and Earth's oblate shape accounted for, it is easy to calculate the density of Earth, which is around 5.5 grams per cubic centimeter.

## What is scale of the universe?

Find out on Scale of the Universe, an interactive, educational tool that puts our world into perspective. Compare Earth to other similar objects.

Drag and drop countries around the map to compare their relative size. Is Greenland really as big as all of Africa? You may be surprised at what you find! A great tool for educators.

Earth's diameter is about 12,742 km, making it the fifth largest planet. It's an oblate spheroid with a high density, with a surface composed of mostly water ...

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## How big is

an acre as a square, think of an area that's 208 feet long by 208 ...

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The universe is undoubtedly a big place. But just how big is it? "That may be something that we actually never know," Sarah Gallagher, an astrophysicist at Western ...

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How big is an acre of land visually? Picture a football field, but slightly smaller. An acre is 43,560 square feet, roughly 90% of a football field's ...



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