

Planet sizes in order

The order of the planets in the solar system, starting nearest the sun and working outward is the following: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune and...

According to NASA, this is the estimated radii of the eight planets in our solar system, in order of size. We also have included the radii sizes relative to Earth to help you picture them...

Let's explore the sizes of the planets, including their radius and diameter in both kilometers and miles, and their relative sizes compared to Earth. Also, discover the impacts of the significant size difference between the inner and outer planets.

This illustration shows the approximate sizes of the planets relative to each other. Outward from the Sun, the planets are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune, followed by the dwarf planet Pluto.

What is the order of the planets as we move out from the Sun? This is a simple guide to the sizes of planets based on the equatorial diameter - or width - at the equator of each planet. Each planet's width is compared to Earth's equatorial diameter, which is about 7,926 miles (12,756 kilometers).

The smallest planet in regards to both mass and volume is Mercury -- at 4,879 km across and 3.3010×10^{23} kg, this tiny world is nearly 20 times less massive than Earth, and its diameter is about 1/189 times smaller. In fact, Mercury is closer in size to our Moon than to Earth.

While most people want to know the order of the planets by distance, there are other ways to order the planets that you might be curious about. For example, if you order the planets by size (radius) from biggest to smallest, then the list would be: Or you could order the planets by weight (mass).

This graphic shows off the relative sizes of the major bodies in the solar system and the order of the planets. It was originally intended truly show off the scale of the solar system however that would have meant were the distance from the Sun to Pluto 2,000 pixels the Sun would 5 pixels in diameter all the planets would have been invisible.

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