

VENUS



- 1. Brightest Planet:** Venus is the brightest planet in our solar system. It's so bright that it's often visible even during daylight hours and is sometimes called the "Evening Star" or the "Morning Star" depending on when it's seen.
- 2. Similar Size to Earth:** Venus is very similar in size to Earth. In fact, it's often called Earth's sister planet because they are close in size, mass, and composition.
- 3. Thick Atmosphere:** Venus has a very thick atmosphere made mostly of carbon dioxide with clouds of sulfuric acid. This thick atmosphere traps heat, making Venus the hottest planet in our solar system, even hotter than Mercury, despite being farther from the Sun.
- 4. Retrograde Rotation:** Venus rotates on its axis in the opposite direction compared to most other planets in our solar system. This means if you were standing on Venus, the Sun would rise in the west and set in the east.
- 5. Volcanic Activity:** Venus has many volcanoes, some of which are still active. These volcanoes have contributed to shaping Venus's surface, which is covered in vast plains, mountains, and thousands of volcanoes.