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Title: Solar Mainstream System

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Overview Definition Formation and evolution General characteristics Sun Inner Solar System Outer Solar System Trans-Neptunian region The Solar System consists of the Sun and the objects that orbit it. The name comes from Sol, the Latin name for the Sun. It formed about 4.6 billion years ago when a dense region of a molecular cloud collapsed, creating the Sun and a protoplanetary disc from which the orbiting bodies assembled. The fusion of hydrogen into helium inside the Sun's core releases energy, which is primarily e...

The solar system consists of a central star, the sun, and all of the smaller celestial bodies that continuously travel around it, including our very own Earth.

Along with the sun, our cosmic neighborhood includes the eight major planets. The closest to the sun is Mercury, followed by Venus, Earth, and Mars. These are known as terrestrial planets, ...

Solar system, assemblage consisting of the Sun and those bodies orbiting it: 8 planets with more than 400 known planetary satellites; many asteroids, some with their own satellites; ...

Explore stunning images of the Solar System captured by ESA/Hubble, showcasing planets, moons, and other celestial wonders.

The Solar System provides the only known example of a habitable planet, the only star we can observe close-up, and the only worlds we can visit with space probes. Solar System research ...

With each planet, moon, asteroid, and comet, the solar system tells a story of birth, destruction, rebirth, and motion--stories written in craters, frozen oceans, swirling ...

How many planets are in the solar system? How did it form in the Milky Way galaxy? Learn facts about the solar system's genesis, plus its planets, moons, and asteroids.

The solar system includes the Sun, planets, dwarf planets, moons, rings, asteroids, comets, and particles of dust.

The Solar System currently moves through a cloud of interstellar medium called the Local Cloud. The closest star to the Solar System, Proxima Centauri, is 269,000 AU (4.25 ly) away. Both ...

Our solar system includes the Sun, eight planets, five officially named dwarf planets, hundreds of moons, and thousands of asteroids and comets. Our solar system is ...

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