

How many stars does our solar system contain

What is a galaxy?

A galaxy is any of the systems of stars and interstellar matter that make up the universe. Many such assemblages are so enormous that they contain...

Are all galaxies the same shape?

Galaxies differ in shape, with variations resulting from how the systems were formed and subsequently evolved. Galaxies are extremely varied not on...

What are the types of galaxies?

Galaxy classification is based on the scheme proposed by the American astronomer Edwin Hubble. Hubble's scheme is based on the optical appearance o...

What is an example of a Sa galaxy?

NGC 1302 is an example of the normal type of Sa galaxy, while NGC 4866 represents one with a small nucleus and arms consisting of thin dust lanes o...

Alpha Centauri, triple star system that contains Proxima Centauri, the closest star to the Sun, about 4.2 light-years distant. The system is the third brightest star in the sky. The nearest extrasolar planets are the three planets ...

Did you know that our solar system is part of a larger galaxy called the Milky Way? In fact, all the stars that are visible from Earth form part of the Milky Way galaxy. If it's dark, usually far away from city lights, the Milky Way is ...

A nebula is a giant cloud of dust and gas in space. Some nebulae (more than one nebula) come from the gas and dust thrown out by the explosion of a dying star, such as a supernova. Other nebulae are regions where new ...

Artist's concept of a red dwarf star with an exoplanet in orbit. About two-thirds of the stars in the Milky Way are red dwarfs. Exoplanet is the name for worlds outside our solar system. NASA/ESA/G.Bacon/STScI [15]
An incredible ...

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; comets and other icy bodies; and ...

Milky Way Galaxy (sometimes simply called the Galaxy), large spiral system of about several hundred billion stars, one of which is the Sun. It takes its name from the Milky Way, the irregular luminous band of stars and

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Like other spiral galaxies, our galaxy has a disk, a central bulge, and spiral arms. The disk is about 100,000 light-years across and 3,000 light-years thick. Most of the Galaxy's gas, dust, young stars, and open clusters are in the ...

How does NASA use the constellations? This photo of the constellation Orion was taken by NASA astronaut Karen Nyberg aboard the International Space Station. Credit: NASA/Karen Nyberg Stars and ...

By measuring that starlight - specifically, its color and brightness - astronomers can estimate how many stars our galaxy holds. With that method, they discovered the Milky Way has about 100 billion stars - 100,000,000,000.

What Is an Exoplanet? The Short Answer: All of the planets in our solar system orbit around the Sun. Planets that orbit around other stars are called exoplanets. All of the planets ...

To be called a planetary system, there are three main criteria that have to be met. A star is a spherical object composed of gas that contains enough heat and pressure in its core to maintain nuclear fusion. The star in a ...

Solar system - Planets, Moons, Orbits: The eight planets can be divided into two distinct categories on the basis of their densities (mass per unit volume). The four inner, or terrestrial, planets--Mercury, Venus, Earth, and Mars--have rocky ...

galaxy, any of the systems of stars and interstellar matter that make up the universe. Many such assemblages are so enormous that they contain hundreds of billions of stars. Nature has provided an immensely varied array ...

In fact, all the stars that are visible from Earth form part of the Milky Way galaxy. If it's dark, usually far away from city lights, the Milky Way is visible as a beautiful band of stars scattered across the night sky. It is estimated to ...



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