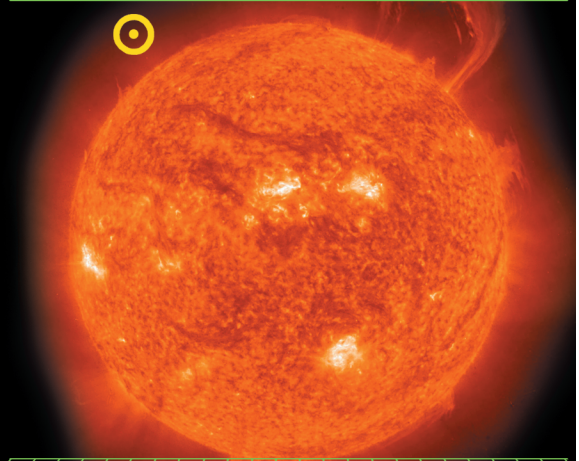
THE SUN



"OUR STAR"

Our Sun, the nearly 4.7-billion-year-old star that sustains life here on Earth, powers photosynthesis in green plants and is ultimately the source of all food and fossil fuel. The interaction between the Sun and Earth drives the seasons, currents in the oceans, weather and climate. With a core reaching a fiery 15.7 million kelvins (nearly 28 million degrees Fahrenheit), the Sun's surface temperature is so hot that no solid or liquid can exist there. Luckily for humans, Earth is nearly 150 million kilometers (93 million miles) away from the Sun.

As the star for nine planets, a multitude of asteroids, comets and other objects, the Sun contains more than 99 percent of the entire mass in the solar system.

The Sun in ultraviolet light.

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JPL 400-1147K
Rev. 1, 9/04
EB-2004-04-027