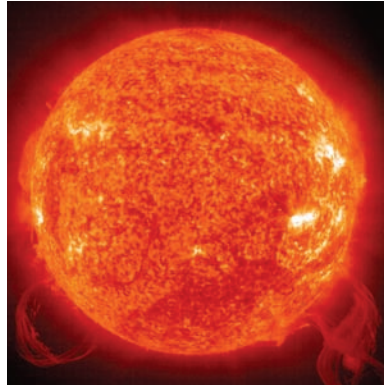


Our Solar System and Beyond

Contents

<i>Preview the Book</i>	2
What Is in Our Solar System?	3
About the Solar System	4
The Sun	7
The Planets	8
The Inner Planets	10
The Outer Planets	12
Other Objects in the Solar System	14
<i>Main Idea and Details</i>	16
What Is Beyond Our Solar System?	17
Other Stars	18
Galaxies	20
The Universe	21
Studying and Exploring Space	22
Glossary	24



Glossary

asteroid (AS-tuh-roid) a small object made of rock, metal, or a combination of the two that revolves around the Sun **(14)**

axis (AK-sis) an imaginary line that passes through the center of an object, around which the object rotates, or spins **(5)**

comet (KOM-it) a frozen mass of gases, ice, rock, and dust that revolves around the Sun **(15)**

constellation (kon-stuh-LAY-shuhn) a group of stars that make a pattern in the sky **(19)**

dwarf planet (DWORF PLAN-it) a small, nearly sphere-shaped object that revolves around the Sun and has some characteristics of a planet **(14)**

galaxy (GAL-uhk-see) a huge collection of stars, dust, and gas held together by gravity **(20)**

meteor (MEE-tee-uhr) a brightly burning meteoroid, a chunk of rock or metal from space, that is falling through Earth's atmosphere **(15)**

moon (MOON) a natural, rocky or icy object that revolves around a planet **(8)**

orbit (OR-bit) the path an object takes as it revolves around another object in space **(5)**

planet (PLAN-it) a large, nearly sphere-shaped object that revolves around a star **(4)**

revolve (rih-VAHLV) to travel in an orbit, or path, around another object **(4)**

rotate (RO-tayt) to spin on an axis **(5)**

solar system (SOH-luhr SIS-tuhm) a star and the planets, their moons, and other objects that revolve around that star **(4)**

star (STahr) an enormous sphere of extremely hot, glowing gases in space that gives off energy **(4)**

Sun (SUHN) the star that is at the center of our solar system **(7)**

telescope (TEL-i-skohp) an instrument that makes distant objects appear closer and larger by using lenses, mirrors, or other devices **(22)**

universe (YOO-nuh-vurs) all of space and everything in it **(21)**