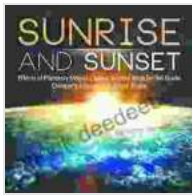


Sunrise and Sunset: Effects of Planetary Motion

Every day, we see the sun rise in the east and set in the west. But what causes this to happen? The answer lies in the motion of the Earth and other planets.



Sunrise and Sunset | Effects of Planetary Motion | Space Science Book for 3rd Grade | Children's Astronomy & Space Books by Baby Professor

★★★★☆ 4.4 out of 5

Language : English

File size : 50407 KB

Screen Reader : Supported

Print length : 72 pages



The Earth is a planet that orbits the sun. This means that it travels around the sun in a circular path. It takes the Earth 365 days to complete one orbit.

As the Earth orbits the sun, it spins on its axis. This axis is an imaginary line that runs through the North and South Poles.

The Earth's rotation causes day and night. When the side of the Earth that we live on is facing the sun, it is day. When the side of the Earth that we live on is facing away from the sun, it is night.

Sunrise

Sunrise is the time of day when the sun first appears above the horizon. This happens when the side of the Earth that we live on begins to face the sun.

The time of sunrise varies depending on where you live on Earth. In the summer, the sun rises earlier than in the winter. This is because the Earth's axis is tilted away from the sun in the summer.

The tilt of the Earth's axis also causes the sun to rise and set at different times in different parts of the world. In the Northern Hemisphere, the sun rises in the northeast in the summer and in the southeast in the winter.

In the Southern Hemisphere, the sun rises in the southeast in the summer and in the northeast in the winter.

Sunset

Sunset is the time of day when the sun disappears below the horizon. This happens when the side of the Earth that we live on begins to face away from the sun.

The time of sunset varies depending on where you live on Earth. In the summer, the sun sets later than in the winter. This is because the Earth's axis is tilted toward the sun in the summer.

The tilt of the Earth's axis also causes the sun to rise and set at different times in different parts of the world. In the Northern Hemisphere, the sun sets in the northwest in the summer and in the southwest in the winter.

In the Southern Hemisphere, the sun sets in the southwest in the summer and in the northwest in the winter.

Sunrise and sunset are caused by the motion of the Earth and other planets. The Earth's rotation causes day and night, and the Earth's orbit around the sun causes the seasons.

Sunrise and sunset are beautiful and awe-inspiring events. They are a reminder of the Earth's place in the solar system and the vastness of the universe.



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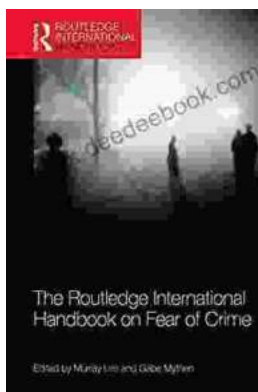
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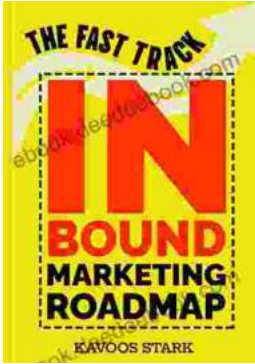
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