

Exploration Student Worksheet: The Cycle of Day and Night

Overview

In this Exploration, you will explore how Earth's rotation causes the cycle of day and night.

Questions

1. Why does half of Earth experience night when the other half of Earth is experiencing day?

2. What would happen to the length of the day if the Earth took 40 hours to rotate?

3. What would happen if Earth did not rotate?

How to Use This Exploration

1. Read the Introduction and click the **Continue** button.
2. Read the instruction text and perform the action.
3. Watch the animation and read the outcome explanations as they appear. Make a labeled sketch of day and night on Earth.
4. Click the **Reset** button to restart the exploration.
5. Click the **Previous button** to go back to the previous instruction. Click the **Next** button to move ahead in the exploration.
6. Click the **Close** button to close the exploration.

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Data

Draw a sketch of Earth and the Sun. Label which side of Earth is daytime and which side is nighttime. Lightly shade the nighttime half to show it is dark outside.

Earth's Rotation

