

Name _____



Daylight Data: Days and Nights Around the World

Purpose: To investigate the number of hours of daylight received by countries at different latitudes.

Materials:

Daylight data sheet	Map pencils	Graph paper
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Procedure:

1. Graph the data you have been given.
2. Make a multiple line graph. **Why?**
3. Use a different color pencil for each different latitude.

Data Analysis:

Describe the pattern you see in the data.

If the data make a straight or almost straight line across the graph, what does that tell you about the length of day changes at that latitude?

What do lines that go up and down steeply tell you?

Questions:

The changes in day and night are caused by the rotation of the Earth. As the Earth rotates, only one half of our planet faces the Sun at any time. That half of the planet has day; the rest of the planet has night.

One complete rotation takes about 24 hours. In most places on Earth one change from day to night and back to day takes 24 hours.