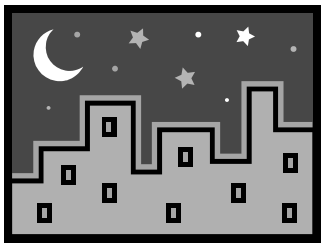
Name_____



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

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 and Conclusions:

1. Does the Sun always set at the same time each day?

   _____
2. At what times of the year does the Sun stay up latest?

   _____

3. At what times of the year does the Sun rise the earliest?

_____

4. Is the number of hours of daylight the same each day?

_____

5. When are the shortest days?

_____

6. Is the number of hours of daylight on a certain day the same all over the world?

_____

7. What season is it in New Zealand in July?

_____

8. What season is it in Scotland in July?

_____

9. Are there any places where the Sun never comes during certain parts of the year? Where?

_____

10. At what times of the year does this happen?

_____

11. Where and when does the Sun stay up for 24 hours?

_____

12. Are there any places on the graph where all the lines come together?

_____

13. Use your textbook to define EQUINOX.

_____

_____

14. Where do you see evidence of an equinox on your graph?

_____