

**CHAPTER 2****REAL-WORLD LAB***You and Your Environment***Stormy Sunspots**

During which years were electrical disturbances on Earth most common? In this lab, you will consider the relationship between sunspot activity and magnetic storms on Earth.

◆ **Problem** How are magnetic storms on Earth related to sunspot activity?

◆ **Skills Focus** graphing, interpreting data

◆ **Materials**

graph paper pencil straightedge

◆ **Procedure**

1. Use the data in the table to plot a line graph of sunspot activity between 1967 and 1997.
2. On the graph, label the *x*-axis "year." Use a scale with 2-year intervals, from 1967 to 1997.
3. Label the *y*-axis "Average Number of Sunspots." Use a scale of 0 through 160 in intervals of 10.
4. Graph a point for the average number of sunspots for each year.

| Sunspots |                            |      |                            |
|----------|----------------------------|------|----------------------------|
| Year     | Average Number of Sunspots | Year | Average Number of Sunspots |
| 1967     | 93.8                       | 1983 | 66.6                       |
| 1969     | 105.0                      | 1985 | 17.9                       |
| 1971     | 66.6                       | 1987 | 29.4                       |
| 1973     | 38.0                       | 1989 | 157.6                      |
| 1975     | 15.5                       | 1991 | 145.7                      |
| 1977     | 27.5                       | 1993 | 54.6                       |
| 1979     | 155.4                      | 1995 | 17.5                       |
| 1981     | 140.4                      | 1997 | 23.4                       |

# Stormy Sunspots Skills Lab Teachers Edition

**CH Cherryholmes**



**Stormy Sunspots Skills Lab Teachers Edition:**  
Earth Science ,2001

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