

Weather Data Log

Name: _____ Date: _____

Use the Weather Data Logs to record weather data: (1) at different times throughout the day, or (2) at the same time of day on different days. Learn first-hand how the weather changes from the morning to the afternoon and from day to day. Before going outside, record your local Weather Forecast below using the internet and/or an almanac.

Local Weather Forecast

Temperature

How warm is it supposed to be today? _____ (in Fahrenheit) _____ (in Celsius)

How cold is it supposed to be today? _____ (in Fahrenheit) _____ (in Celsius)

Barometric Pressure

What is the Barometric Pressure? _____

Wind Speed & Direction

What is today's estimated Wind Speed? _____

From which direction should the wind blow _____

Relative Humidity

What is today's estimated Relative Humidity? _____

Precipitation

What is the percentage chance of precipitation forecasted for today? _____

After you have recorded the local weather forecast, go outside to record your weather station data in the outdoor classroom: (1) at different times throughout the day, or (2) at the same time of day on different days. If possible, record data from a thermometer, barometer, hygrometer, anemometer, wind sock/wind vane, and/or rain gauge.

Outdoor Classroom Weather Station Data

Time of Day: _____ Temperature: _____ (in Fahrenheit) _____ (in Celsius)

Barometric Pressure: _____ Relative Humidity: _____

Wind Speed: _____ Wind Direction: _____

Amount of Precipitation (if any): _____ Type of Precipitation (if any): _____

Describe the sky conditions (in a few words): _____

Weather Data Log

After you have recorded the local weather forecast, access The House Next Door outdoor weather station or go outside to observe the weather, record weather station data and your observations:

(1) at different times throughout the day, or (2) at the same time of day on different days.

If possible, record data from the thermometer, barometer, wind vane, and rain gauge.

Outdoor Weather Station Data

Date: _____ Time of Day: _____

Temperature: _____ (in Fahrenheit) _____ (in Celsius) Relative Humidity: _____

Barometric Pressure: _____ Wind Speed: _____ Wind Direction: _____

Amount of Precipitation (if any): _____ Type of Precipitation (if any): _____

Describe the sky conditions (in a few words): _____

Date: _____ Time of Day: _____

Temperature: _____ (in Fahrenheit) _____ (in Celsius) Relative Humidity: _____

Barometric Pressure: _____ Wind Speed: _____ Wind Direction: _____

Amount of Precipitation (if any): _____ Type of Precipitation (if any): _____

Describe the sky conditions (in a few words): _____

Date: _____ Time of Day: _____

Temperature: _____ (in Fahrenheit) _____ (in Celsius) Relative Humidity: _____

Barometric Pressure: _____ Wind Speed: _____ Wind Direction: _____

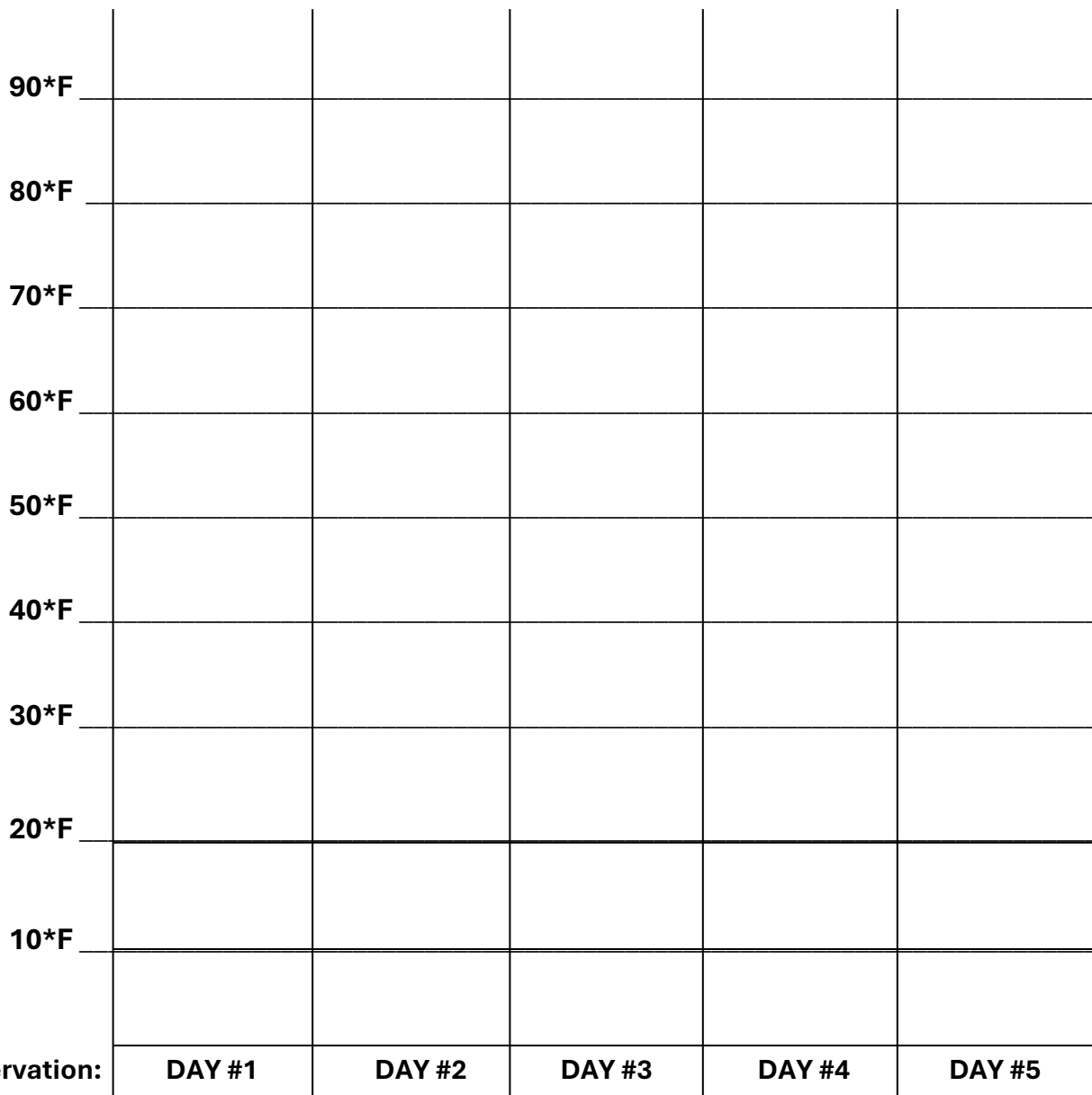
Amount of Precipitation (if any): _____ Type of Precipitation (if any): _____

Describe the sky conditions (in a few words): _____

Weather Observations Chart

Log your weather data into the graph below to create a bar graph.

Temperature:



Look at the chart to answer the following questions:

1. Did the temperature increase or decrease? _____
2. How many degrees did it change? _____
3. On what date &/or time did you record the highest temperature? _____
