

Name: _____ Date: _____ Class: _____

Weather Journal Project - "Predicting the Unpredictable"

DUE: _____

Directions:

- For 5 consecutive days, you will record the daily weather in the attached Weather Journal. The journal (**without this page**) will be due the first day back from break. **In order to Exceed, it must be handed in on time with all information included and accurate. Additionally all questions must be answered to the best of your ability.**

Sources for your Information:

- TV – Watch the weather report in the morning or during the evening news. The Weather Channel is a good place to start, but ABC, CBS, NBC, and FOX all have meteorologists providing a local weather update once every 10 minutes.
- Internet (for example: www.weather.com, www.cnn.com among others)

Here is the data you will need to record each day along with a description:

- ❖ Date: What day is it?
- ❖ Time: Record the time of day you made the observation. **Try to be consistent all 5 days.**
- ❖ Temperature: In degrees Fahrenheit
- ❖ Air Pressure: In millibars
- ❖ Air Pressure Trend: Pressure change over the past 3 hours (in millibars)
- ❖ Wind Speed: The speed of the wind mph
- ❖ Wind Direction: The direction of the wind
- ❖ Relative Humidity: Expressed as a percentage
- ❖ Dew Point: The temperature at which air is saturated
- ❖ Precipitation: Inches in the past 6 hours
- ❖ Current Weather: if there is any
- ❖ Cloud Cover: Estimate the percentage of the sky covered with clouds.
 - 0% - Little or no clouds in sky
 - 25% - A quarter of the sky is covered with clouds.
 - 50% - Half the sky is clouded, half is clear
 - 75% - The majority of the sky is clouded
 - 100% - The entire sky is blanketed in clouds.

Finally, in the box provided, you will create a **STATION MODEL** based on your data.

Name: _____ Date: _____ Class: _____

Date: _____

Time: _____

Temperature: _____

Air Pressure: _____

Pressure Trend: _____

Wind Speed: _____

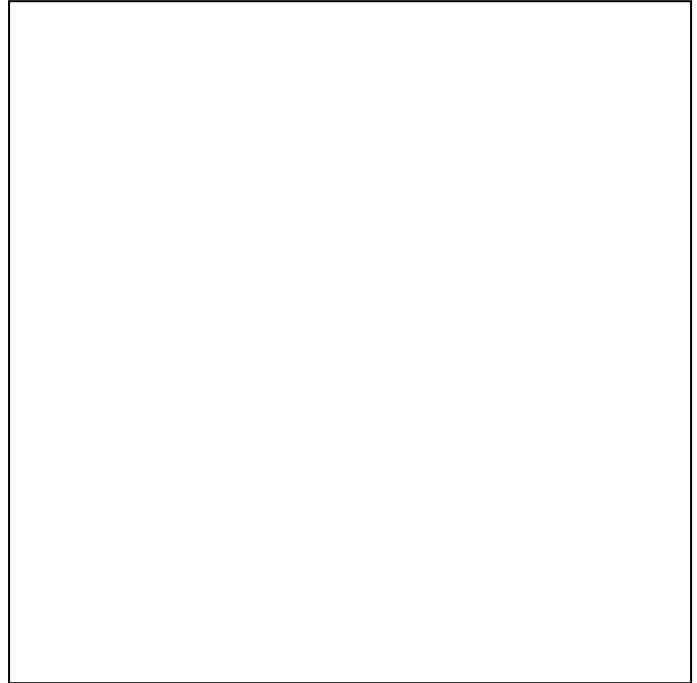
Wind Direction: _____

Relative Humidity: _____

Dew Point: _____

Precipitation: _____

Current Weather: _____



Date: _____

Time: _____

Temperature: _____

Air Pressure: _____

Pressure Trend: _____

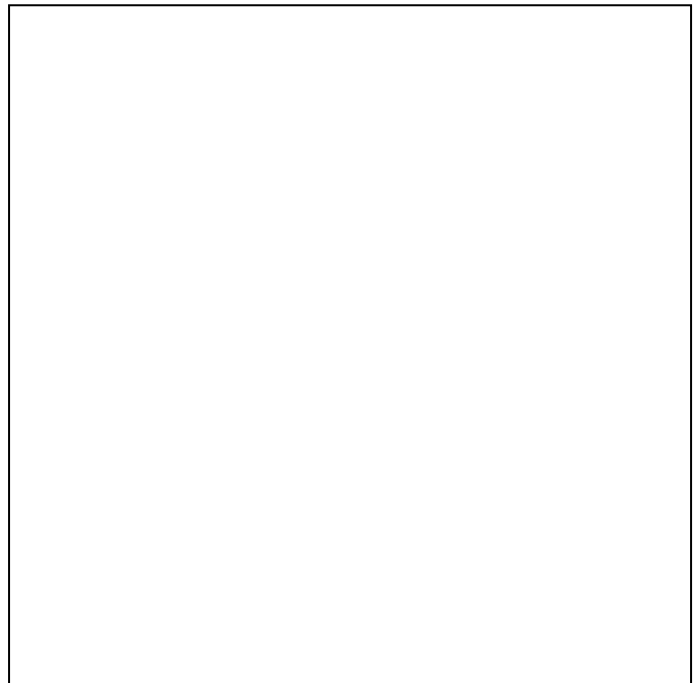
Wind Speed: _____

Wind Direction: _____

Relative Humidity: _____

Dew Point: _____

Precipitation: _____



Current Weather: _____

Date: _____

Time: _____

Temperature: _____

Air Pressure: _____

Pressure Trend: _____

Wind Speed: _____

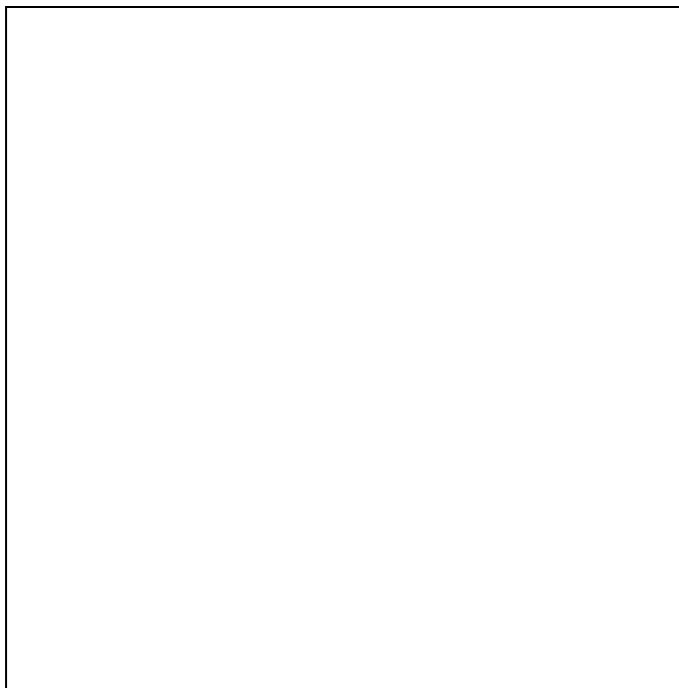
Wind Direction: _____

Relative Humidity: _____

Dew Point: _____

Precipitation: _____

Current Weather: _____



Date: _____

Time: _____

Temperature: _____

Air Pressure: _____

Pressure Trend: _____

Wind Speed: _____

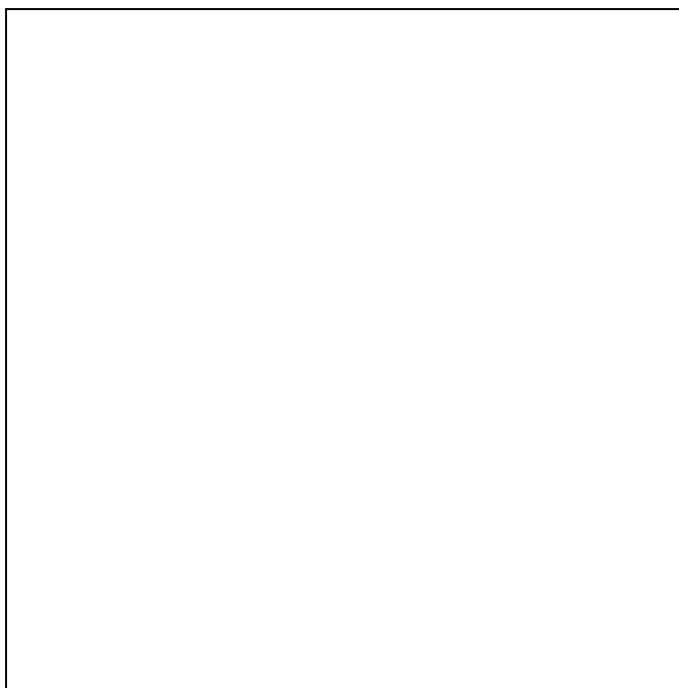
Wind Direction: _____

Relative Humidity: _____

Dew Point: _____

Precipitation: _____

Current Weather: _____



Date: _____

Time: _____

Temperature: _____

Air Pressure: _____

Pressure Trend: _____

Wind Speed: _____

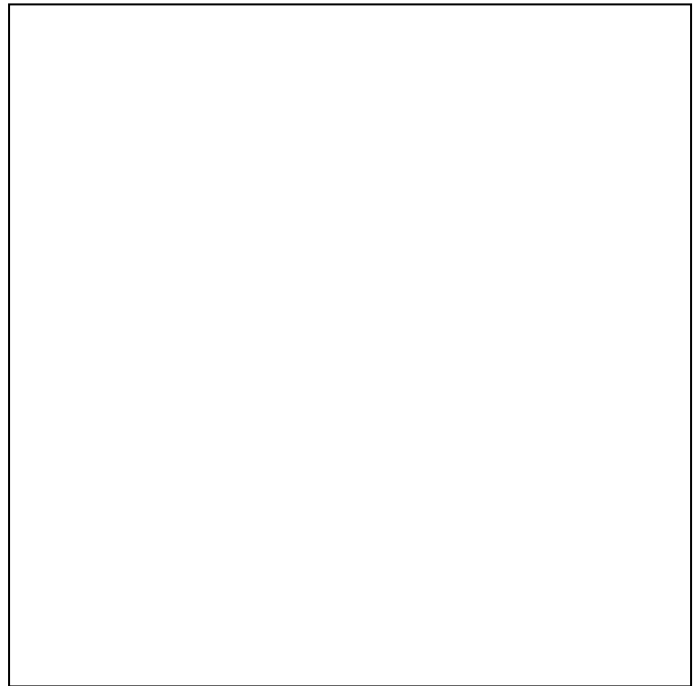
Wind Direction: _____

Relative Humidity: _____

Dew Point: _____

Precipitation: _____

Current Weather: _____



Questions:

1. What patterns or trends did you observe?

2. Did you notice anything that was predominantly consistent?

3. Find a weather map for the entire country. Using that map and what you learned from your own observations, make a prediction about what the weather will be like for the next 3 days. Justify your prediction.
