KSL Weather Project

During starter time this week you will be watching the weather. You will record the forecasted high and low temperatures for each day. Also record what kind of weather occurs, for example: cloudy, rainy, cold, clear, sunny, etc. You will record the actual temperatures on the following day. All data will be recorded into the data table below.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Forecast temperatures and weather | | | |  | Actual temperatures and weather | | | |
| Day | High °F | Low °F | Weather |  | Day | High °F | Low °F | Weather |
| Mon |  |  |  |  | Mon |  |  |  |
| Tue |  |  |  |  | Tue |  |  |  |
| Wed |  |  |  |  | Wed |  |  |  |
| Thurs |  |  |  |  | Thurs |  |  |  |
| Fri |  |  |  |  | Fri |  |  |  |

As you watch the weather broadcast, list at least twelve terms that you hear that connect to what you’ve learned in the classroom.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Graphing the data (draw your graph on graph paper and staple it to the back of this page)

Now that you have recorded a weeks’ worth of forecasted and actual temperatures along with the general weather data, graph the data to look for trends. Use the X axis for the days and the Y axis for the temperature.

Analysis questions.

1. What was the average forecasted high temperature for this week? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What was the average forecasted low temperature for this week? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What was the average actual high temperature for this week? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What was the average actual low temperature for this week? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Critical thinking short answer

Answer these on a separate piece of lined paper and staple it to the back of this worksheet. Each question must be answered in at least two complete sentences.

1. How close to the forecasts is the actual weather and what does this tell us about forecasting the weather?
2. What kind of general weather was there during the week, and how did it relate to the temperatures of the day?