**Total = \_\_\_\_\_\_ / 400 pts.**

1. For each snow day fill in the following table:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Day** | **High Temperature** | **Low**  **Temperature** | **Precipitation (in inches)** | **Humidity** | **Barometric Pressure (in inches)** | **Type of Front that brought this weather event** | **Time of Sunrise** | **Time of Sunset** |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |

**\_\_\_\_\_ / 100 pts.**

1. How did this severe weather impact your family? Explain in paragraph form.

**\_\_\_\_\_ / 100 pts.**

1. Explain what atmospheric conditions formed this winter storm. Be sure to include temperature, precipitation, and the type of weather front in your explanation.

**\_\_\_\_\_/100 pts.**

1. Read the attached article or visit:

<http://www.accuweather.com/en/weather-news/blizzard-of-93-the-storm-of-th/62671>

While reading the article answer the following questions…

**\_\_\_\_\_/100 pts.**

1. In paragraph 2 Washington, D.C., Philidelphia, and New York City experienced large amounts of snow followed by large amounts of sleet. What atmospheric conditions could have caused the precipitation to change from snow to sleet? *(Feel free to research what conditions cause snow, and what conditions cause sleet.)* **(\_\_\_\_/10 pts.)**
2. Which city in the North East had the highest amount of snow fall? **(\_\_\_\_/10 pts.)**
3. Large storms like this one usually gain a large amount of water vapor over warm bodies of water. Where did this storm gain the strength needed to create so much snow fall? **(\_\_\_\_/10 pts.)**
4. What was the record low pressure measurement recorded during this storm?

**(\_\_\_\_/10 pts.)**

1. What is the Jet Stream? **(\_\_\_\_/10 pts.)**
2. During this storm how fast were the winds in the Jet Stream? **(\_\_\_\_/10 pts.)**
3. How did the Jet stream influence this storm? **(\_\_\_\_/10 pts.)**
4. Why did Florida receive heavy rain and tornados rather than heavy snow? In your explanation include how Florida’s LATITUDE affects its temperature. **(\_\_\_\_/10 pts.)**
5. Using what you learned from this article compare and contrast the “Snowicane” of ’93 with today’s winter storm. Describe the similarities and differences in paragraph form.

**(\_\_\_\_/ 20 pts.)**