

Name: \_\_\_\_\_

The Weather

Period: \_\_\_\_\_

Date: \_\_\_\_\_

Objective: To observe atmospheric conditions over a four-day period and incorporate your understanding of major atmospheric concepts.

Log your atmospheric conditions for each day in the table below. After you have logged your data for the four days, you will then compare actual measurements with the North Carolina State Climate Office (SCO) at [www.climate.ncsu.edu](http://www.climate.ncsu.edu) for the station closest to your location.

	Day One	SCO	Day Two	SCO	Day Three	SCO	Day Four	SCO
Date								
Location on campus								
High Temperature (F)								
Low Temperature (F)								
Air Pressure (AP) (mb)								
AP Rising or Falling?								
Wind direction								
Wind Speed (mph)								
Time of Sunrise								
Time of Sunset								
Length of Daylight								

Analysis

1. What is the overall four-day temperature trend?
2. What is the overall four-day pressure trend?
3. How has the weather changed over the last four days? Relate this to the pressure.
4. How did the wind direction change over the last four days? Why did it change?