Winter Fun: Temperature Tracker

Put a thermometer outside somewhere where it won't be exposed to direct sunlight. Check the temperature once every hour and record your findings on page 2. Also include what time the sun went down completely.

Example:

Day One

1 pm..........55° F	5 pm..........57° F
2 pm..........57° F	6 pm..........55° F (sundown)
3 pm..........59° F	7 pm..........54° F
4 pm..........59° F	8 pm..........52° F

Do this for one day, then answer these questions:

What time was it coldest? _____

What time was it hottest? _____

Between what two hours did the temperature cool down the most?

_____

Between what two hours did the temperature heat up the most?

_____

What temperature was it when the sun went down?

_____

Now do this for two more days, then answer these questions:

What's the biggest difference in temperature during the same time on two separate days? _____

Was the temperature ever the exact same during the same time on two separate days? _____

Using all your records, what time of day do you think the temperature changes the most, and why? _____

Using all your records, is the temperature higher in the morning or at night?

_____

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Record your temperature findings below. After Day 3, chart your data in the line graph below. Fill in the the temperatures on the Y-axis to fit your data. Use a green pen to chart Day 1, red for Day 2, and blue for Day 3.

Day One

9 am.......... _____° F
10 am.......... _____° F
11 am.......... _____° F
12 pm.......... _____° F
1 pm.......... _____° F
2 pm.......... _____° F
3 pm.......... _____° F
4 pm.......... _____° F
5 pm.......... _____° F
6 pm.......... _____° F
7 pm.......... _____° F
8 pm.......... _____° F

Day Two

9 am.......... _____° F
10 am.......... _____° F
11 am.......... _____° F
12 pm.......... _____° F
1 pm.......... _____° F
2 pm.......... _____° F
3 pm.......... _____° F
4 pm.......... _____° F
5 pm.......... _____° F
6 pm.......... _____° F
7 pm.......... _____° F
8 pm.......... _____° F

Day Three

9 am.......... _____° F
10 am.......... _____° F
11 am.......... _____° F
12 pm.......... _____° F
1 pm.......... _____° F
2 pm.......... _____° F
3 pm.......... _____° F
4 pm.......... _____° F
5 pm.......... _____° F
6 pm.......... _____° F
7 pm.......... _____° F
8 pm.......... _____° F

Temperature (y)

9am 10am 11am 12pm 1pm 2pm 3pm 4pm 5pm 6pm 7pm 8pm

Time (x)