Ozone Project Abstract

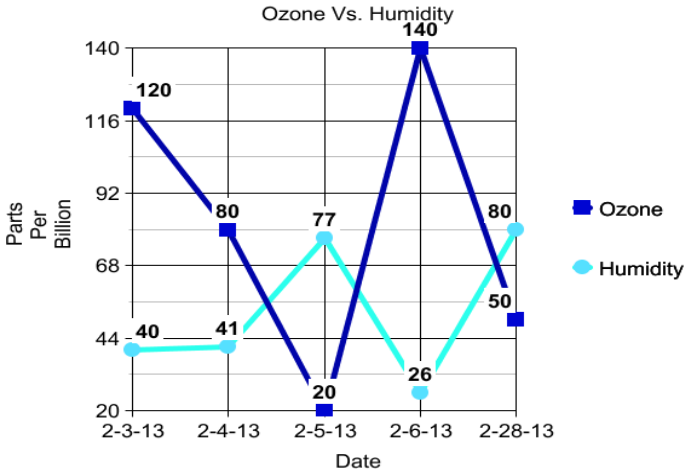
By Katie-Rose Slade

My project question was, "how does humidity affect ozone?" I researched the conditions that humidity and ozone changed (weather, sunlight, temperature). Then I formed my hypotheses, which was, "I think that if we have a high humidity there will be more ozone because the ozone would spread in the humidity."

Procedures:

1. Wet the ozone strip.
2. Hang ozone strip in a shady area.
3. Let hang outside for an hour.
4. After one hour, check the color on an ozone chart and check the humidity using the Internet (weather.com).
5. Repeat daily for five days.

Observations



Conclusion

My hypotheses was incorrect. My data showed that when there was less humidity, there was more ozone. I think this is because there was more sunlight. Sunlight reacts with ground-level ozone to help it form. The sun would also make the humidity evaporate, which would explain why the humidity was low when the ozone was high.

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