

#### THE QUESTION OF THE CENTURY



#### Hypothesis

In my hypothesis, I believe that wind would affect the ozone by making it decrease the ozone layer. Why? Because higher wind speeds would allow CC's to travel greater distances and leave the place it was originally from with a lot less ozone.

#### 6 test strips(three not getting hit by wind and three getting hit)

- A tree (doesn't matter what type of tree)
- A fan
- Distilled water

# Materials

- 1. Form a hypothesis. •
- 2. Get test strips from Mrs. McMullan(duh).
- 3. Get some distilled water.
- 4. Spray it on each of the strips. •
- 5. Put one on one tree and one on another tree(same type of tree). Then blow a fan on one and leave the other untouched. Leave them out there • for an hour and if on falls over or something, I would replace it with another strip and start the test over.
- 6. Record the data in a graph or chart.
- 7. Write my conclusion to the experiment.

#### Procedures

#### Safety



- Try not to preform the experiment in the dark(might trip over something)
- Don't start a new experiment in a thunderstorm



## Parts of an experiment

- Independent variable: The amount of wind you blow on the test strips
- Dependent variable: The ozone change
- The constants: The wood on my back porch and my front porch; I always used the same fan.



# Finally, we can get to the results.

 I did three runs through the experiment and I found that on three runs about the average level of ozone with no disturbance was about five or six. Then the level of ozone with the wind being blow on it was like two. This is the data table for the results of the trials of the strips that were being blown by a fan

Ind. variable	First trial	Second Trial	Third Trial
Less wind	2.5	2	1.5
Medium amount	60 PPB	40 PPB	30 PPB
More wind than both		Average of all:2	

**Ozone Experiment graph** 



## Conclusion

The data completely supported my hypothesis, but I sort of knew that all along, because of research right after the hypothesis. In summary of my results, I learned that wind effects ozone slightly, by making it decrease. This, again supported my hypothesis entirely. This data showed some correlation because when less wind was blown on the test strip, the ozone level went up. And when more wind was blown on the test strip, the ozone level went down. If I redid the project, I would probably do more tests with the test strips, to get more accurate data. If this result could lead to another question it could be: could wind possibly end the ozone layer?





#### THE END? OR IS IT?





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