

Does the ozone protect  
the ice from melting?

# Question

- Will the ozone make the ice melt slower or faster?

# Prediction

- I think the vase with the ozone will melt slower because it has more protection.

# Procedure

- I filled two vases with ice.
- I covered one vase clear tape to create an ozone.
- I put both vases outside in the sun.
- I recorded the ice melt every 10 minutes.

# Background

- I chose this science fair project because I really care about global warming and how it effects the world.
- In my research I found out that the ozone makes the ice melt slower.
- This project is important because it proves global warming is a problem.

# Constant Conditions

- The independent variable is the tape acting as the ozone over one vase.
- The dependent variable is the ice melt.
- The constant condition is I kept one vase covered and one uncovered the entire time.



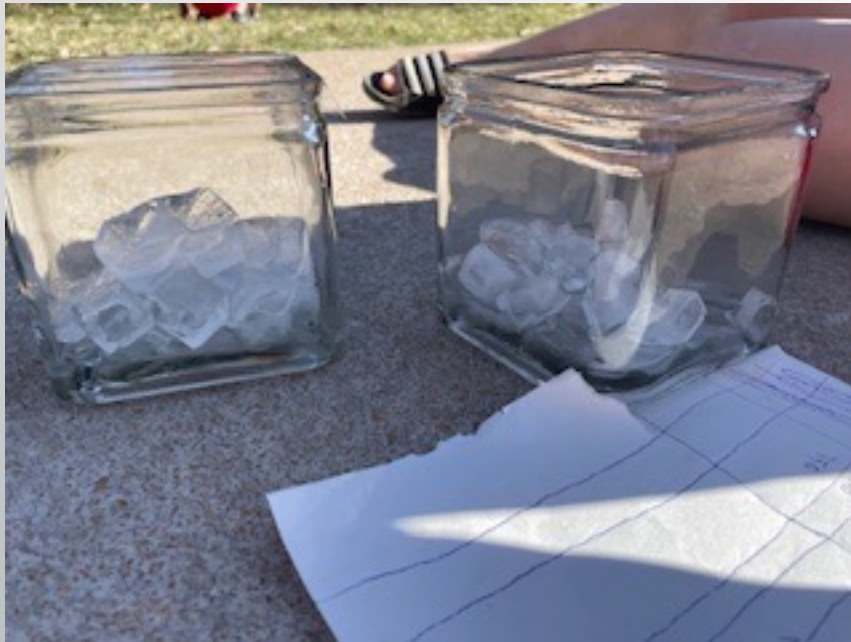
# Data and Trials

- Start time 2:50pm
- Both vases had equal amounts of ice



# Data and Trials

- 3:00pm
- Some ice melt in the vase without the ozone





# Data and Trials

- 3:10pm
- The vase with no ozone was melting quicker



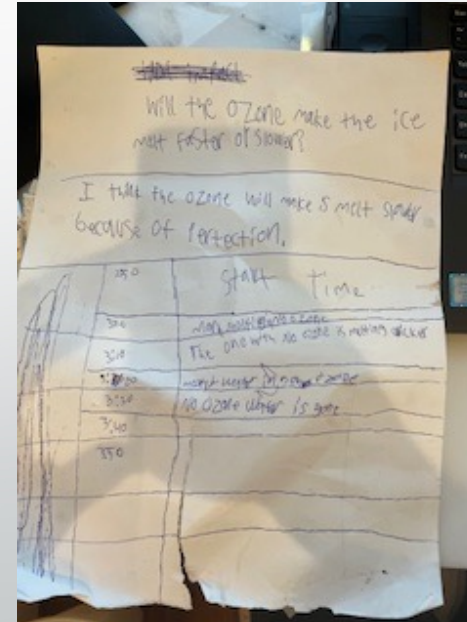
# Data and Trials

- 3:20pm
- Mostly water in the vase with no ozone



# Data and Trials

- End time 3:30pm
- No ice in the vase with no ozone





# Conclusion and Reflection

- I found out that the ozone helps in slowing the ice from melting.
- I was surprised how fast the ice melted because I thought it would take an hour
- If I did this project again, I would add another vase with a hole in the middle of the ozone.