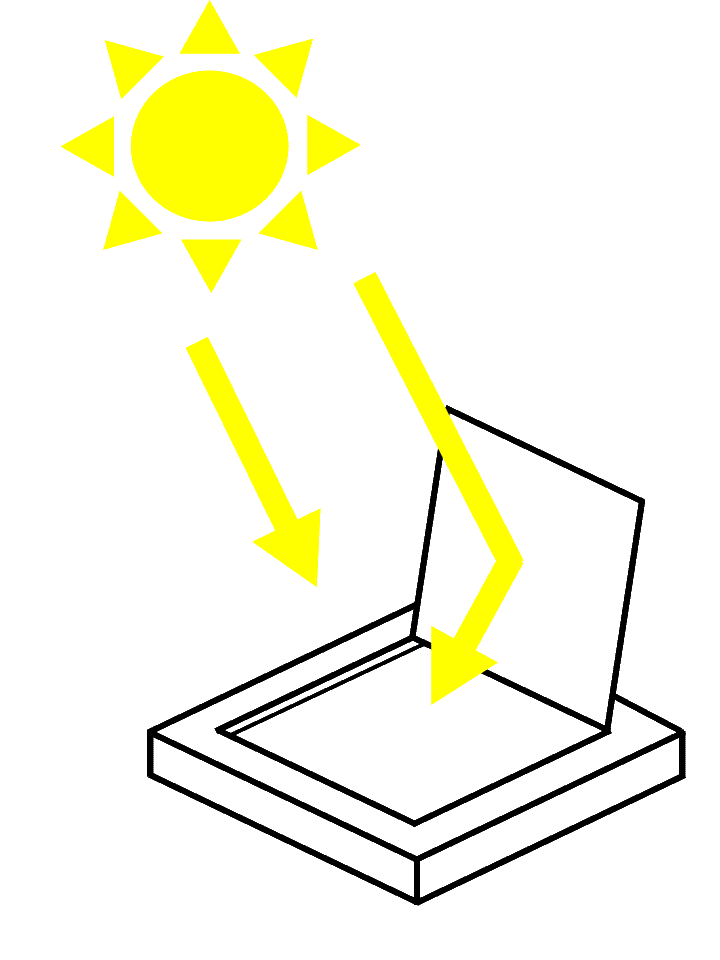
Solar Oven Experiment

Lab Report

By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



Cooking takes a lot of energy! Using solar energy will save us a lot of fuel.

**Your goal:** Find out what it takes to make your oven as hot as possible!

Question: **What do you think will make your oven hotter than the control oven?**

My hypothesis:

EXAMPLE: If I paint my oven black, then the temperature inside will increase.

If \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

then \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How is your oven different than the control oven?

Materials: **What are you using?**

Procedures: **How are you doing the experiment?**

1. Cut a flap into the top of the pizza box.

2. Add aluminum foil on the inside flap.

3. Tape plastic wrap around the opening.

4. Prop open the lid at a 90 degree angle. This will be the control oven. Throughout class, measure the temperature every 10 minutes.

**How did you make your solar oven, and what are you doing with it?**

5.

6.

7.

8.

9.

10.

My observations:

Temperature outside \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Control Oven

|  |
| --- |
|  |

My Oven

|  |
| --- |
|  |

Data Table:

|  |  |  |
| --- | --- | --- |
| **Time** | **Temperature of control oven** | **Temperature of my oven** |
|  |  |  |
|  |  |  |
|  |  |  |

Results: **1 or 2 sentence summary about your data.**

Conclusion: **Why did your experiment turn out the way it did?**

**What does this tell you?**

**What can you do next time?**