PLANTS ON ACID

INTRODUCTION
The project title is derived from the concept of how plants react when grown in acid. The USDA found that the acidified rain in the mid to late 1990s severely affected forest and shrub growth in the eastern United States, and this has been linked to sulfur dioxide and nitrogen oxide emissions. Also, an example of how forests respond to acid rain is through reduced growth and increased mortality.

METHODS
Seed Growth:
- Aim: To determine the effect of different concentrations of acid on the growth of seedlings.
- Materials: THREE 2" DISK SEED PLATES, WATERING DOT, AND THREE DIFFERENT CONCENTRATIONS OF ACID.
- Procedure: Place the three disk seed plates on a bench with two plants in each plate. Place one plant in the 100%, one plant in the 50%, and one plant in the 0% of acid plates. Water the plants every day following the label of the acid.
- Results: The 0% plate had the best growth, followed by the 50%, and then the 100% plate had the least growth.

RESULTS
The growth rates of the plants were calculated by measuring the increase in height and the increase in dry weight of the plants over the experiment period. The plants in the 0% plate had the highest growth rate, followed by the 50% plate and then the 100% plate.

DISCUSSION
The hypothesis is that the acid will affect the growth of the plant. The results show that the acid does affect the growth of the plant. The 0% plate had the best growth, followed by the 50%, and then the 100% plate had the least growth.

CONCLUSION
The hypothesis of the experiment was supported by the results. The acid affected the growth of the plant. The 0% plate had the best growth, followed by the 50%, and then the 100% plate had the least growth. The results show that the acid does affect the growth of the plant. The 0% plate had the best growth, followed by the 50%, and then the 100% plate had the least growth.

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