

Abstract

Project Title: The Effects of Vaping on Porous Tissue

Project ID: 150

Abstract

A brief explanation of your project. Enables judges to receive a base understanding of your project and work.

The main purpose of this experiment was to show that vaping is not the safe alternative to smoking that people think it is. In an attempt to demonstrate the unhealthy effects of nicotine as well as residual and particulates left behind in the lungs, an apparatus was created. This was done to simulate both inhaling and exhaling of the vape through lung tissue using a glass jar filled with cotton balls connected to a hand pump. This was done over a period of seven days, two separate times. It was hypothesized that the cotton balls, --after daily drying--will show a constant increased weight, color change, and texture difference due to particulates that remain. The ending results showed that the cotton balls had increased in weight and had changed color and texture. During the first run through of the experiment, the cotton balls increased a total of 14 grams whilst the second resulted in a lesser increase in weight of 10 Grams. The results showed that the hypothesis was supported.

Items to Include:

- **Introduction:** Why did you do this project and why is it important? How will this effect people and why is it needed. Inspire the reader to continue learning more about your research and read your report.
- **Problem Statement and Engineering Goal / Hypothesis:** What is the problem you were solving and what was your engineering goal or hypothesis.
- **Procedures:** How did you solve the problem and or test your hypothesis. Don't go into details, provide a broad, conceptual view of what you did. For engineering, what was your design criteria.
- **Results:** What was the outcome? Use your data and numbers to describe your result.
- **Conclusion:** Was your hypothesis supported or the engineering goal met?