

Abstract

Project Title:

Project ID: 277

Abstract

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

This project on water filtration is important to not only humans but all species as it may help clean not only drinking water. It could affect everyone if people had better water quality. The problem being solved was what is an efficient and cost effective way to filter water, and the hypothesis for this experiment is that filtering the water will get rid of many possible pollutants because of the use of boiling and activated carbon. The procedure is Gather materials, Test each liquid four times before filtration with water test strips, Attach silicone tubing to the end of teakettle pipe, Make silicone tube wrap vertically downwards three times, Pour activated carbon into a coffee filter, Put coffee filter with carbon on top of the funnel, Place the funnel on the cup so water drips into a cup once filtered, Put the end of silicon tube so it will lead into the top of the funnel, Put teakettle on the stove, Pour 700 milliliters of whatever liquid into the teakettle, Turn the stove on and let the water reach boiling, Boil water until none remains, Test water with water test strips for contents of contaminants, Repeat the whole experiment for each water type. The results were conclusive in showing that water quality went up. In the end my 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?