

CALIFORNIA STATE SCIENCE FAIR 2012 PROJECT SUMMARY

Name(s)

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Project Number

S1704

Project Title

To Determine Which Smoke Is the Most Harmful to Living Plants

Objectives/Goals Abstract

Considering to the global warming issue, as the toxic smokes increase, it causes the population of living plants decreases. The air becomes worse and worse recently because humans keep producing toxic smokes. And these smokes start to damage and even destroy living plants. Living plant is the main principle to maintain and neutralize the air condition. Basically, the goal of our lab is to know which smoke is the most pernicious to living plants by using the smokes of candle, incense, cigarette, and gasoline gas. We find out that both the smokes of incense and gasoline gas are the most harmful to our experimental plants- peas. Therefore, in order to improve the situation of global warming, to protect living plants, and to guarantee humans' safety, people should start to decrease the using of these two materials.

Methods/Materials

5 Peas, 5 empty bottles, Timer, Matches, 3incenses, 1Cigarette, Plastic bag, Gasoline gas, Tape, 1 Candle, Soil.

Results

Eventually, after the students' analysis, they definitely can determine that the smokes of incenses and gasoline gas are the most harmful and detrimental to the peas. Now, to pretend peas to living plants, such as grasses and trees, by this, the students can warn people to avoid using incenses, and to alleviate the production of gasoline gas. Eventually, people can safe their environment, and safe their lives.

Conclusions/Discussion

In conclusion, the student can surely say that their assumption is right- the smokes of incenses and gasoline gas are the most harmful to the peas. On the other hand, the students can use pea to represent living plants, includes trees and grasses, so if people use either incenses or to produce gasoline gas frequently, the living plants that surround people are going to die pretty soon. In LA, or other places, people should avoid producing these two toxic smokes of the materials, in order to safe people's environment, and to safe people's lives.

Summary Statement

To determine which smoke is the most harmful to living plants

Help Received