CALIFORNIA SCIENCE & ENGINEERING FAIR
2019 PROJECT SUMMARY

Name(s)

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Project Number

J1319

Project Title

Naturogenic Cloud

Abstract

Objectives

The objective of this study is to measure the raise in temperature in Sand, Ice & Water under heat by varying the water vapor cloud in the seam.

Methods

Vacuum Chamber, Red Heat Lamp, Measuring tools, Vapor producer, Polyphenol extract etc.
Measured the melting rate of ice, raise in temperature in sand and water under different concentrates of water vapor and poly phenols in a glass vacuum chamber.

Results

The rate of heat absorption of Sand, Ice & Water were directly proportional to the amount of the poly phenol in the water vapor.

Conclusions

The heat absorption and the raise in temperature was dependent only on the amount of polyphenol in the water vapor cloud. For higher concentrates of the polyphenol the heat absorption by the object under study significantly reduced. This clearly states that the effect of poly phenol in the water vapor cloud contributes to reduce the heat absorption and maintain a sustainable temperature.

Summary Statement

I observed that the poly phenolic cloud can help control the temperature raise for objects beneath it

Help Received

I designed and built the cloud system by myself. I got help in understanding the molecular science of the polyphenols from my science teachers Mrs.Kanchan & Mrs.Shama