CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY

Name(s)
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Project Number
22277

Project Title
Organic Heat

Abstract

Objectives/Goals
My project was to determine if the length of pipe will affect the temperature of water heated inside a compost pile. I suspect that the the longest pipe will heat the water to the highest temperature.

Methods/Materials
Three lengths of ppe were buried in the compost pile, a 100 foot , 200 foot , and a 300 foot black poly pipe. Each pipe was pumped full of water and were checked three different times for the temperature.

Results
The 300 foot pipe heated the water to the highest temperature followed by the 100 then 200 foot pipe.

Conclusions/Discussion
My conclusion is that the length of pipe does affect the temperature of water when it is heated. Anybody could do this project who has a compost pile which if hooked up to the water heater could save money on the electricity bill.

Summary Statement
My project was to determine if the length of pipe would affect the temperature of water when it is heated.

Help Received
Dad helped putting the pipes together and burying them; Brother helped writting the conclusion.