CALIFORNIA STATE SCIENCE FAIR
2011 PROJECT SUMMARY

Name(s)
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Project Number
J1925

Project Title
The Effects of Different Types of Music on Plants

Abstract

Objectives/Goals
The objective of this experiment was to determine whether different types of music -- blues, classical, hard rock, and country -- affect plant growth differently. My hypothesis was that plants listening to classical music would grow the best.

Methods/Materials
Four pots with six pea seeds in each pot were each exposed to different types of music. A fifth pot was not exposed to music. A four inch speaker was taped to the side of each plastic pot, facing inward, and hard rock, classical, country, blues, or no music was played over the entire course of the twenty day experiment. Plant growth was measured over time and the results were compared.

Results
The plants exposed to blues music grew the most on average, and directly after them came the control group, which was not exposed to music. The classical music group did the next best, then the country music group. The plants exposed to hard rock music grew the least.

Conclusions/Discussion
My hypothesis was not supported by the results. I had thought that the plants exposed to classical would grow best, but the plants exposed to blues grew the best.

Summary Statement
When plants were exposed to classical, blues, country, hard rock, or no music, the plants exposed to blues music grew the best.

Help Received
My Dad helped me with wiring the CD players to the amplifier and the amplifier to the speakers. He taught me how to use a spreadsheet to graph the data and he helped me make the music CDs.