

CALIFORNIA STATE SCIENCE FAIR 2008 PROJECT SUMMARY

Name(s)

Cristina Machado

Project Number

J1519

Project Title

How Does Caffeine Affect the Rate of Your Pulse?

Objectives/Goals

Abstract

This experiment was conducted to find the effect of caffeine on the rate of pulse of humans. The pulse rate of five persons of different age levels were measured before and after the consuption of two bervages that contain caffeine.

The results showed that pulse rates tend to increase about 20 minutes after compsuntion of both bervages. The experiment also showed that there is no considerable difference in increase in the rate of pulse in response to the two sources of caffeine.

Methods/Materials

- 50 persons
- 50 16oz cups of coffee
- 50 16oz cups of Coca- Cola

Results

I moitored the subjects pulse rate before and after drinking the caffine. I discovered how thier pulse rate increased, especially on the smaller children. Beside the pulse rate increase I noticed other symptoms. some of them were loss of sleep, and an energy boost.

Conclusions/Discussion

The results supports my hypothesis. All fifty persons pulse rate were increasing after they drank the berverages that contained caffeine.

Summary Statement

My project is about figuring out how caffeine affects the rate of your pulse.

Help Received

Mother helped type information