



**CALIFORNIA STATE SCIENCE FAIR
2003 PROJECT SUMMARY**

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| Name(s) Raquel E. Solis | Project Number J1623 |
| Project Title Does a Greenhouse's Glass Affect Plant Growth? | |
| <p style="text-align: center;">Abstract</p> <p>Objectives/Goals My objective is to determine whether the thickness of the glass walls of a greenhouse affects plant growth.</p> <p>Methods/Materials Four glass cubes with thickness of : 1/16", 3/16", 1/8", and 1/4". Five thermometers were used to measure temperature as well as a centimeter ruler to measure growth. Planted radish seeds in five containers. The fifth container was used as a control. The control was outside of any glass. Measured growth and temperature and growth for eleven days. Watered when necessary.</p> <p>Results Radishes in the 3/16" cube and in the natural environment (the control) grew faster. They grew bigger in the 1/4" cube. 1/8" cube had the slowest growing plant. The plant in the 1/16" cube grew at a steady rate.</p> <p>Conclusions/Discussion My project proved me half right. I thought that the plant in the 1/4" cube would grow faster and bigger. It only grew bigger.</p> | |
| Summary Statement My project is to test the effects of the thickness of greenhouse glass on plant growth. | |
| Help Received Mother helped decorate; Father glued the glass together (it was too sharp for me); Used teacher's laptop | |