



**CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY**

Name(s) Ivanna L. Lizano	Project Number J1417
Project Title Which Situation Will Produce More Bacterial Growth and Sweat?	
Abstract Objectives/Goals My experiment was to show how much bacterial growth was going to be produced. Methods/Materials # Clean Jars # 4 packets of unflavored gelatin # One cooking spoon # One pot or pan # One tsp. of sugar # 1/2 cup water # Cotton swabs Results #Barefoot# only had one moldy spot. #Socks and Shoes# had four or five moldy spots. The jar that was left to check was the one that surprised me the most. #Shoes but No Socks# was covered in mold! Where I had swabbed it, I could see tiny, moldy spots. I could also see about five regular-sized moldy spots. What surprised me the most was something as obvious as a big pink elephant in the room. There was a big, wispy-looking #blob# in one of the corners. It had to be at least half an inch tall (or more). Conclusions/Discussion My hypothesis was that #Shoes but No Socks# would produce more sweat and bacterial growth. The other samples had spots ranging from one through five. However, #Shoes but No Socks# had a big, wispy-looking #blob# in one of the corners and also had many, many spots varying in size. Therefore, based on what I saw, I concluded that my hypothesis was supported.	
Summary Statement My experiment was to show how much bacterial growth was going to be produced when you exercise in different situations.	
Help Received I would like to thank my parents for helping me get all the supplies I have needed for this science fair project. I would like to thank my science teacher, Mrs. Schanen, Ms. Angie, and Ms. Ong for answering the questions I had and helping me at the same time.	