

CALIFORNIA STATE SCIENCE FAIR 2012 PROJECT SUMMARY

Name(s) Junyu Yang	Project Number
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Project Title The Choices of P. polycephalum	
Dbjectives/Goals Abstract	
 The objective of my experimet is to see the reaction of the proknown as the "true slime mold") when confronted on all sides while situated in an ideal environment. Methods/Materials A culture of Physarum polycephalum was grown on nutrient a middle, with a ring of oatmeal around it. The oatmeal was the oatmeal there was a circle of the attractant-repellant mixture. used: Valerian root/salt and Valerian root/light. Results The Physarum polycephalum, when confronted with Valerian boundaries. When confronted with Valerian root/light, it were both cases, there was heavy microbial contamination. Conclusions/Discussion In conclusion, salt is a stronger repellant of the Physarum poly 	by a mixture of a repellant and an attractant agar in a petri dish. It was situated in the ideal environment. Beyond the ring of Two attractant-repellant mixtures were root/salt, stayed within the oatmeal t on to the attractant/repellant mixture. In
Summary Statement A culture of the Physarum polycephalum, a slime mold, was p confronted by a mixture of an attractant and a repellant, and its	
Help Received Mother and Father bought me materials.	