



**CALIFORNIA STATE SCIENCE FAIR
2007 PROJECT SUMMARY**

Name(s) Deanna J. Purther	Project Number J1920
Project Title The Effect of Water Temperature on Sea Monkey Growth	
Abstract Objectives/Goals The objective of this project was to see which temperature of water would make sea monkeys grow the biggest. The hypothesis was that the 80 degree water would be the most effective on the sea monkey's growth. Methods/Materials Materials- Three 5 gallon fish tanks, two water heaters, Microscope slide, water, wire, tape, permanent marker, 3 packages of sea monkey refill, 9 jars of the same size that are bigger than 4 oz, measuring cups, and teaspoon measurers Methods: One tank was heated to 80 degrees, another tank was heated to 70 degrees, and the last tank was left at room temperature (60 degrees). Three jars with four ounces of water were placed in each tank. Then 4/25 of a teaspoon of water purifier was added to all the jars. After 24 hours 4/25 of a teaspoon of sea monkey eggs was added to every jar. After 7 days three sea monkeys out of each jar were taken out and put on a small drop of water on a microscope slide. They were then measured with a ruler in millimeters, and put back in jars. The measurements were recorded in a data graph. Results The results from this experiment were that the 80 degree water was the best temperature for the growth of the sea monkeys. The average sea monkey size of the 80 degree water was 5.2 mm. The average sea monkey size of the 70 degree water was 2.2 mm, and the average sea monkey size of the 60 degree water was .9 mm. Conclusions/Discussion In this experiment the data collected supported my hypothesis that the 80 degree water would be the best for the growth of sea monkeys. The project was very accurate because the whole experiment was in an aquarium environment, and the water was kept at a consistent temperature. These results help people that use sea monkeys or brine shrimp as food for other animals. It also helps anyone who just wants sea monkeys as pets.	
Summary Statement The focus of this project is to find which temperature of water is most effective on the growth of sea monkeys.	
Help Received Teacher gave suggestions on how to do project.	