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*Shrimp Me: The Effects of Water Calcium Content on the Hatching of Brine Shrimp Eggs*

The purpose of my project was to find out the effects of water calcium content on the hatching of Brine Shrimp eggs using different calcium concentrations. What I did in my project was, marked 4 petri dishes with A, B, C, and D. Then I mixed 400 ml of distilled water and 25 mg of salt into a beaker. After that I measured 100 ml of the solution and put 100 ml into each of the four petri dishes. In petri dish A I didn't put any calcium, I put 10 mg of calcium in dish B, 20 mg of calcium in dish C, and 20 mg of calcium in dish D. After that I carefully added a table spoon of brine Shrimp to each petri dish. Then, every 24 hours I checked the eggs. I checked them by placing a piece of graph paper underneath the petri dishes and estimated how many shrimp were in each square of graph paper. My hypothesis was the higher concentrations of calcium in water will make the Brine Shrimp eggs hatch more and faster. However, my hypothesis was wrong. As a result, the shrimp eggs with no calcium didn't hatch very many eggs over a period of 5 days. The shrimp with the least amount of calcium hatched the most eggs the fastest which was 20 eggs in each square on the graph paper.