



**CALIFORNIA STATE SCIENCE FAIR  
2014 PROJECT SUMMARY**

<b>Name(s)</b> Navya Hari	<b>Project Number</b>  34325
<b>Project Title</b> Does BPA Have an Effect on Fish?	
<b>Abstract</b> <b>Objectives/Goals</b> My science fair project is a biology-based investigation that addresses the question: Does Bisphenol A have an effect on fish? The purpose of my science fair project is to discover the impact of Bisphenol A on a male fish's memory, health, and physical attributes. Bisphenol A or simply BPA, is a man-made chemical used in the hardening of many plastic products. BPA has had a significant impact on both human physical and mental traits. Through humans, BPA has entered water and nearly one-third of male fishes in every one hundred water sources have been affected. The BPA poisoning of male fishes is a rising crisis in our world today, and I hope to see the effects of Bisphenol A on male fishes through my science fair project. <b>Methods/Materials</b> To discover the effects of my Bisphenol A, my independent variable, on male fishes, I intend to perform a series of long tests to view the effects on male fishes, or the dependent variable. I plan to introduce male fishes to BPA over a course of eight weeks, and view the changes. I will compare and contrast fishes that are introduced to BPA and those who are not. While this introduction is in effect, I will take note of the changes, diseases, health, interaction and other base physical and mental attributes of the developing fishes. To finish, I plan to dissect the fishes and note internal changes. <b>Results</b> I found that the fishes exposure to BPA resulted in many mental issues. Many of the fishes refused to eat, and some also became very confused. They became less territorial and aware of their surroundings. I then discovered that the fishes experienced abdomen inflammation, female organs, and even changed color. <b>Conclusions/Discussion</b> I found that BPA did have an effect on the fishes. I compared the fishes that were not introduced to BPA to the ones that were. The fishes that were not introduced to BPA remained in normal conditions, however the fishes that were introduced to BPA went through a series of unstable and unhealthy changes. I was able to prove that BPA did affect fishes.	
<b>Summary Statement</b> My science fair project is a biology-based investigation that addresses the question: Does Bisphenol A have an effect on fish?	
<b>Help Received</b> Teacher provided Dissection kit. Parents helped buy materials and helped cut paper.	