



**CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY**

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Project Title U.V. on A.E.	
Abstract Objectives/Goals We would like to discover why our local sea anemones have small rocks, shells, and sand on their stalks. We believe that it could be for either for protection from u.v. ray protection, or camouflage from predators. Methods/Materials We are going to use 36 perfectly healthy sea anemones, and place them into a controlled salt water tank. The tank is divided down to the middle to seperate our two groups of sea anemones. One group will have their rocks, sand, and shells removed from their shafts. We will feed them the same amount of food. and give them exactly 12 hours of uv light a day. The uv light will be provided by a u.v. black light. Results All 18 of the uncovered sea anemones died over a course of 11 days. However only one covered sea anemone died, believed to be due to natural causes. We believe it was due to natural causes because its appearance was different, from the ones who had died due to u.v. rays. Conclusions/Discussion We believe with out a doubt, that the shells, rocks, and sand on the shafts of the sea anemones, is most certainly for u.v. protection. Keepings in mind that our u.v. ray light was significantly less powerful then the actual sun.	
Summary Statement The project was about discovering what purpose the small shells, rocks, and sand on the stalks of the sea anemones is.	
Help Received If we had any questions regaurding our project, we asked the marine biology teacher at our school, Dave Wilson, everything was done by us.	