



California Science Center
CALIFORNIA STATE SCIENCE FAIR
2001 PROJECT SUMMARY

Your Name (List all student names if multiple authors.) Sarah-Marie AMIRI	Science Fair Use Only <h1 style="margin: 0;">J0701</h1>
Project Title (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9) Where the Land Meets the Sea	Division <u>X</u> Junior (6-8) _ Senior (9-12)
Preferred Category (See page 5 for descriptions.) 7 - Environmental Biology	
Abstract (Include Objective, Methods, Results, Conclusion. See samples on page 14.) Use no attachments. Only text inside these boxes will be used for category assignment or given to your judges.	
<p>Objective: The objective of my survey is to find out what environmental factors influence the distribution of organisms in the intertidal zone (low, medium and high). I wanted to find out primarily how populated each zone is, what kind of organisms can I find there and what environmental factors caused each zone to have different population rates.</p> <p>Materials and Methods: For my survey, I measured how many organisms lived in the low, medium and high tide zones of the intertidal, I also identified what kind of organisms live there. For that purpose, I constructed a meter frame that allowed me to study the organisms on a smaller scale and permitted me to gather data more thoroughly. I also identified organisms in each zone, and compared them from each other. Then I recorded this data to my logbook.</p> <p>Results: Out of all the zones, you can find the most variety of organisms in the low tide zone. In fact, the larger population of organisms lives in the low tide zone because of the beneficial factors. I discovered also that the hermit crabs, sea anemones, barnacles and rock crabs live in all zones.</p> <p>Conclusion: In conclusion, the lower the zone in the intertidal, the more organisms and variety of organisms will be found there. This states that the environmental factors play a large role in the intertidal life and the chances for survival. All of the organisms have different methods of survival and just wait for the next tide to pass.</p>	
Summary Statement (In one sentence, state what your project is about.) The project is about what environmental factors influence the distribution of organisms in the intertidal zone.	
Help Received in Doing Project (e.g. Mother helped type report; Neighbor helped wire board; Used lab equipment at university X under the supervision of Dr. Y; Participant in NSF Young Scholars Program) See Display Regulation #8 on page 4. Father drove me to the beach during week days, mother during week-ends. Mother helped set up the board presentation.	