

CALIFORNIA STATE SCIENCE FAIR 2011 PROJECT SUMMARY

Name(s)	Project Number
Camila Garcia	
Project Title	
Effectiveness of Oil Absorbing Materials	\mathcal{N}
Abstract	
Objectives/Goals The objective was to find the most offective oil collecting material	
Methods/Materials	
The material used were cell-u-sorb, hair booms, hay booms, the processo	f bioremediation and a pan with
no material in it. Each material was placed in a baking pan filled with mo	tor or vegetable oil and water,
and left alone for 24 hours. Then the residue oil was measured in a storile separated and then it could be measured. The residue dil was subtracted s	beaker where the oil and water
was repeated 4 more times and then the whole experiment was repeated	s well, but with vegetable oil.
Results	
Most of the trials showed that cell-u-sorb left the least amount of residue	bil, bioremediation left the
second least, then the hair boom, followed by the hay boom, and the east material in it. Cell-u-sorb and bioremediation usually assumed 86 to 99.5	effective was the pan with no % of all the oil, the hair and hav
boom usually absorbed 40 to 50% of all the oil, and the empty can ordin#t	change at all.
Conclusions/Discussion	5
The oil collecting material that leaves the least amount of oil spilled in wa	ter is cell-u-sorb, then
was that the hair boom would be the most effective material and absorb 1	0% or more than all the other
materials, which was partly wrong because the hair boom was not the mo	st effective material, but it did
absorb 10% more than some of the other materials. In conclusion, the most	st oil absorbing material was
cell-u-sorb.	
Summary Statement	
This project tested different oil collecting materials and saw which one le	ft the least amount of oil spilled
in water in a certain amount of time.	
Heln Received	
Parents grandma and sister helped make booms and take nictures	
r dients, grandina, and sister heiped make booms, and take pictures.	