

CALIFORNIA STATE SCIENCE FAIR 2011 PROJECT SUMMARY

Name(s)	Project Number
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	31048
Project Title	
The Percolation of Motor Oil through Fine, Medium, and Coarse Grained Sands	
Objectives/Goals Abstract	
My project is to determine if the size of the sand grain, fine, medium, or coarse percolates through the sand.	affect now motor oil
Methods/Materials	And advated cylinders were
Sand was sorted into three sizes of sand grains: fine, medium, and coarse. Thre filled with 100 ml of each grain sized sand. I added 30 ml of motor oil (10W-4 motor oil percolated through the sand. I measured the terth of percolation even	y 15 minutes for three
hours. Results	
The motor oil percolated fastest through the coarse grain sand. The fine and me the same percolation rate. Conclusions/Discussion	dium grain sand had about
Since motor oil percolates faster through coarse grain and, then it would be harder to clean up an oil spill on a coarse grain sand beach. However, on a beach that has fine or medium grain sand, the oil will only percolate a couple centimeters down which is where most wildlife lives.	
$ \bigcirc \ \) \checkmark $	
Summary Statement How motor on percolutes through fine, medium, and coarse grained sands.	
Help Received My Dad helped me organize my procedure. My teacher helped me stay on track backboard.	. My Mom proofread my