

CALIFORNIA STATE SCIENCE FAIR 2005 PROJECT SUMMARY

Name(s)	Project Number
Christy L. Ahlbach	J0601
Project Title	
Liquefaction	
Abstract	
Objectives/Goals I wanted to find out which soil is the safest to build a structure on in the earthquake-prone area of San	
I took two clear plastic cups and cut off the bottoms. I place	ed them upside down in the middle of a pie
plate. I then filled one cup with sand and one with clay soil, filled the plate with 40 mls. of water and waited 90 seconds.	with a one ounce sinker on top of each. I
seconds. Results	
With the cup of sand, the water saturated it within 90 second before I tapped the cup. With the clay, the sinker did not me	
Conclusions/Discussion	sve und the entry and not inquery.
I concluded that clay is MUCH safer to build on than sand in	n an earthquake area.
Summary Statement	
i wanted to find out which of two types of soil in the S.F. Ba	ny Area was safer in an earthquake.
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Help Received	
My mom helped me type the report and a geologist friend he	elped select the soil samples and with the dig.