

CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

Name(s)	Project Number
Alexandra O Morris	A
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Project Title	
Household Materials Save Environment	
Objectives/Goals Abstract	
Using safe, non-toxic household materials to absorb oil spills helps protect the	e environment and the
people and animals that live in it. I wanted to determine which household mat	erial would absorb oil the
Methods/Materials	
Used motor oil was measured with a measuring spoon and put into 15 identication	h glass bowls. The
absorbents (flour, baking soda, bread crumbs, and cat litter) were measured w	in a separate measuring
spoon and placed into the bowls with the motor oil. I used evaporation as my tested three times. To measure the amount of oil absorbed. Used observations	control. Each absorbent was
measuring the oil absorption could have resulted in the oil leaking out of the a	bsorbent that I was testing.
Results	
After testing multiple household materials to determine which one would absorbed the efficiently. I found that in two out of three trials, the bread crutable absorbed the	orb the motor oil the most
control group of evaporation absorbed the least amount of motor M.	ie most on. In an trais, the
Conclusions/Discussion	
My hypothesis was that flour would absorb the most oil because it is made ou are both good absorbants. In the and found the flour, get liver, baking sode	t of starch and gluten, which
absorb as much oil as bread crumbs T believe this is because the bread crumbs	s act as a sponge to absorb
the liquid. With this project and research, we can learn new ways to protect ou	ar environment and the
things that live in it.	
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Summary Statement	
I tested yon-toxic, howsehold materials to determine which would absorb an o	il spill the most efficiently.
Help Received	
I had help with obtaining the oil and tested materials I used for the experiment	ts. I also had help with the
proper disposal of the oil once the experiments were completed.	