

ENGINEERING DESIGN PROCESS Pepper and Soap



1. Title of Experiment

2. Hypothesis (What will happen to the pepper flakes when the soapy toothpick touches the water?)

3. Draw a Picture of your Design (Sketch a design of your experimental setup.)



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4. Data Collection/Observations (Draw a picture of what happens to the pepper flakes).

5. Results (Record how many pepper flakes move to the side compared to how many pepper flakes stay in the middle.)



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6. Analysis/Answer Questions

What happened to the pepper when you added it to the water? Did it float or sink?

The pepper flakes moved because water has surface tension - water molecules are sticky. Do you think this makes the water molecules want to stay together or separate?