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Raven Hill Discovery Center is a 501(c)(3) tax-exempt corporation.

Mission: Raven Hill provides a place that enhances hands-on and lifelong learning for all ages by connecting science, history & the arts.

Breaking the tension

Gather materials: shallow plate or saucer; water; pepper; dish soap; toothpick. Pour water onto plate. Sprinkle pepper on water. Get a little dish soap on the end of a toothpick. Don't stir, but gently touch the toothpick end with soap to the edge of water on the plate. Watch what happens! Do this between each "test": **Clean up, making sure that the plate is clean WITH NO SOAP left on it.** Now, try again using herbs or spices instead of pepper (use anything that floats on the water). **Clean up again.** This time touch the toothpick in the middle of the plate, instead of the edge. **Clean up again.** Try different soaps—liquid hand soap or bar soap or laundry soap. Which soap works the best?



1. Gather supplies



2. Sprinkle pepper on water on plate



3. Touch toothpick with soap to water

Try floating different things & using different soaps, but remember: **good scientists only change one thing at a time.**

HAVE FUN AND, BE SURE TO CLEAN UP YOUR MESS AFTERWARDS!