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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.

Oil and water

Put your best scientist mind to work today to explore oil and water. Besides oil and water, you will need a table knife, teaspoon, food coloring and a piece of aluminum foil. Starting with the foil flat on the table or counter, put a little water in one corner of the foil and a little oil in the other corner at the same end of the foil. Use a table knife to “cut” the water in half. What happens? Easy or hard to do? Try the same thing with the oil. Easy or hard to divide it in half? Put a drop of food coloring in the water. Watch what happens. Do the same with the oil and observe. What happens if you add salt to the water? What happens if you add salt to the oil? Lift the foil at the end with the two liquids just a little and slowly let the liquids roll down the foil, but not off the foil. Does one liquid move faster? Put the foil back down flat and use the knife to mix the oil and water together. What happens? Expand your experiment by using waxed paper or a plastic bag instead of the foil. Does the surface make a difference? Be sure to clean up, when you are done experimenting.



1 Supplies



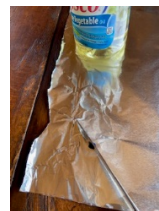
2 Oil and water



3 Add food coloring



4 Cut water in half



5 Cut oil in half



6 Race them