



## Materials

- 2 transparent containers
- Cooking oil
- Water
- A Spoon
- Food coloring
- Pipette/Dropper
- 2 Small bowls

## Procedure

1. Fill one transparent container with water and the other with oil.
2. Add a spoon full of oil to one of the bowls.
3. Add a spoon full of food coloring to the bowl with the oil.
4. Mix together the food coloring and the oil.
5. Using a dropper or your kit's pipette, pull the oil/food coloring mixture and add drops to the container of water.
6. Observe and write down what you notice. Think of what else might dissolve together or not.

## Share Online!

Share your results with us!  
Tag us on Facebook or visit:  
[scienceworksmuseum.org/home\\_project/](http://scienceworksmuseum.org/home_project/)

# Underwater Fireworks

## Activity Instructions

Mess-O-Meter



"Moderately messy"

## Overview

Oil and water don't mix well. The less-dense oil floats on top of the water, even if you pour the oil in first. Food coloring dissolves in water, but not oil. Try this activity with different colors of food coloring. As the drops break up, they'll make new colors! Do you think the food coloring is more or less dense than the oil? How can you tell?

