

# DIY LAVA LAMP

ScienceLabLabLab.Com/DIYLavaLamp

## SUPPLIES NEEDED:

- Clear container (20 oz soda bottle)
- 3/4 cup of water
- Vegetable oil (enough to fill most of your container)
- Fizzing tablets (recommend Alka-Seltzer)
- Food coloring (1 or 2 colors)

## EXPERIMENT STEPS:

1. Fill 1/4 of the container with water.
2. Fill rest of the container with oil leaving a room at the top for bubbles.
3. Add around 13 drops of food coloring.
4. Let sit for a minute or two.
5. Add Fizzing Tablet (Alka-Seltzer).
6. Watch what happens.

## Questions:

1. Why do oil and water not mix?
2. What causes the blobs of color to form and move?
3. Is water a polar or non-polar molecule?
4. What kind of molecules do polar molecules like to bond with?



**Extension**

UNIVERSITY OF WISCONSIN-MADISON  
WAUKESHA COUNTY



**SCIENCE**  
Lab Lab Lab

ScienceLabLabLab.Com/DIYLavaLamp