

## DIY Lava Lamp

### Materials:

Bottle

Vegetable oil

Food dye

Alka-Seltzer tablets



### Directions:

Fill your bottle up about half way with vegetable oil. Fill the rest with water. Add your food dye and mix carefully. Then once everything has settled, you can add little pieces of your alka-seltzer tablets and you have your own lava lamp!

### What Happened?

The water and the vegetable oil have different **densities**, so the water sinks to the bottom when both are added to the same container. When you add the alka-seltzer tablets it sinks to the bottom and mixes with the water, making it less dense than the oil. The alka-seltzer tablets produce carbon dioxide gas bubbles (just like with our bouncy egg!) which stick to the water droplets and make them rise through the oil to the top!