

MOST* *Lava Lamp*

Materials

- Vegetable Oil
- Food Coloring
- Bottle
- Alka-Seltzer Tablets

1

Fill your bottle almost all the way with the vegetable oil. Fill the rest of the bottle with water. Notice how the water sinks to the bottom, *under* the oil. That's because the oil and water have different densities! Water is *more dense* than the oil and so it settles on the bottom.

2

Add a few drops of your choice of food coloring. Did you know that food coloring is water based? Do you think the food coloring will float on top with the oil or sink to the bottom with the water? Why?

3

Break up a tablet of Alka-Seltzer and add it to your bottle. What happens?

4

You've made your very own lava lamp! If the lava lamp stops bubbling, you can add more pieces of Alka-Seltzer to start the process all over again.

