

Lava Lamp

All Ages 🕒 15 Minutes



What's Happening?

- The oil and water will stay

separated because they cannot mix together. So once everything settles, you will see that the color mixes with the water and stays at the top of the bottle and the oil always stays at the top.

- The alka seltzer contains chemical ingredients that when it is mixed with water, it produces carbon dioxide. The carbon dioxide creates water bubble, (similar to bubbles in soda) and those bubbles can float up through the oil. But since water and oil don't mix, the water bubbles fall back down to the bottom of the water.

Instructions:

- Fill the empty bottle about 2/3 full with vegetable oil (see figure 1)
- Fill the rest with water, leaving a bit of space at the top (see figure 2)
- Add a few drops of food coloring (see figure 3)
- Break the alka seltzer tablet into four pieces and drop one in at a time (see figure 4)
- Watch the bubbles rise! (see figure 5)
- To reactivate, just drop in another alka seltzer tablet



OVERVIEW

Create your own Lava Lamp at home!

SUPPLIES NEEDED

- An empty water bottle or jar
- Vegetable oil
- Water
- Food Coloring
- Alka-Seltzer Tablets

ONLINE RESOURCES

- [Instructional video link](#)