

LAVA LAMP

Materials:

Vegetable Oil

Water

Food colouring

Bottle with a lid (if you want to keep it)

Alka-Seltzer Tablet

Torch

Dishwashing Liquid and another jar/glass (used in the first experiment to simply mix oil, water and food colouring & dishwashing liquid)

Lava Lamp Instructions:

Fill the bottle with water to $\frac{1}{4}$ full.

Add vegetable oil and fill to about 3cm from the top (leave enough room for bubbles to not overflow)

Add about 10 drops of food colouring. Observe what happens to the food colouring droplets.

Break the Alka-Seltzers into 4 pieces and drop one piece into the bottle. And wow!

Once the reaction settles down, you can add another Alka-Seltzer.

For a cool affect, shine a torch behind it.

If you want to keep it, make sure all of the gases have disappeared before putting the bottle top on, otherwise it may explode. Then you can enjoy tipping it back and forth and watching the water and oil roll around.