

Name: \_\_\_\_\_ Period: \_\_\_\_\_

## Mini Lava Lamp

### **Materials:**

- 1 small plastic water bottle or glass (*even a tall cup works as long as it's clear*)
- Cooking oil or vegetable oil (*enough to fill most of your container*)
- Food coloring (*any color*)
- Water
- Alka-Seltzer Tablets
- Funnel (optional)

### **Procedure:**

1. Fill the empty water bottle about an inch full with water.
2. Fill the rest of the bottle with oil. The bottle should have mostly oil and a little water.
3. Wait till the oil and water fully separate
4. Add 4 – 8 drops of food coloring, any color.
5. Observe.
6. Break an Alka-Seltzer tablet into piece and drop a few into the bottle.
7. Observe.
8. Do not put the cap back on the bottle until the reaction has completely finished.
9. You can keep the bottle and do the reaction any time you want or pour the water and oil down the drain.

### **Data:**

1. Draw the bottle before you put the Alka-Seltzer tablet in the container.	2. Draw the bottle while the reaction is going on.
---	--

**Questions:**

1. When you mixed the oil and water together was there a chemical reaction? \_\_\_\_\_

2. What happened when you put the food coloring in the bottle? Did it mix with the oil?

Did it mix with the water? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. Was there are a chemical reaction when you put the Alka-Seltzer tablet in the bottle?

Why? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. How long did the bubbles go on for? \_\_\_\_\_

5. Don't forget to include pictures or a video. You can email them to me at

[Juliana.morgan@SAUSD.US](mailto:Juliana.morgan@SAUSD.US)