

Scientist:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

Oil Lava Lamp

**QUESTION**

Can I create a gas using only a solid and a liquid?

**HYPOTHESIS**

I think that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_will happen because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**MATERIALS**

Clean, plastic soda bottle, glass, jar, or Baby Soda Bottle

Vegetable oil (the cheaper the better)

Food coloring

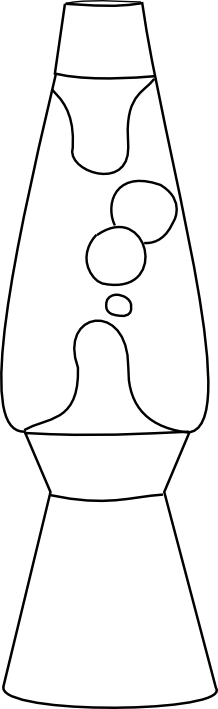
Alka-Seltzer tablet or Fizzy Tablets

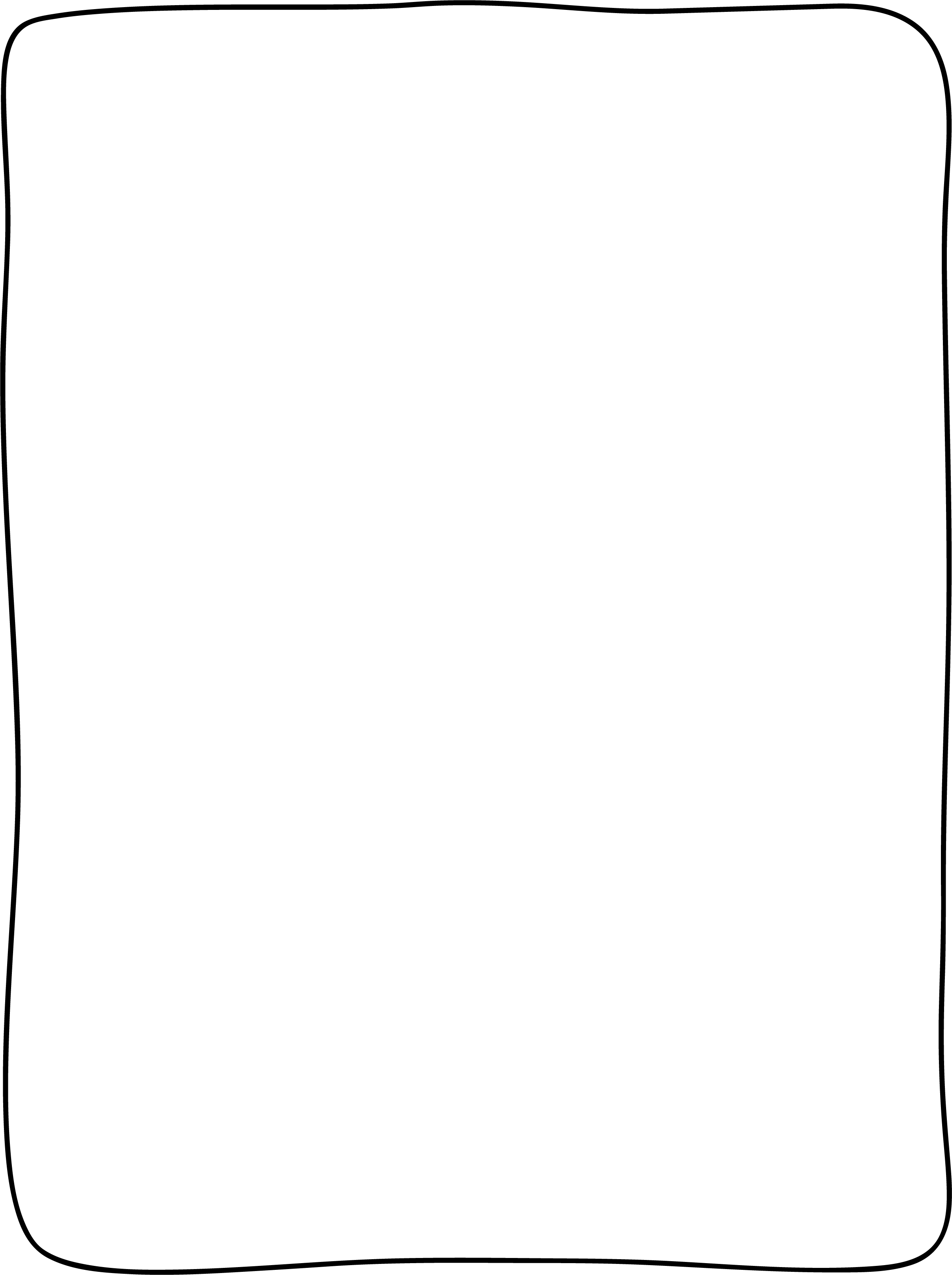
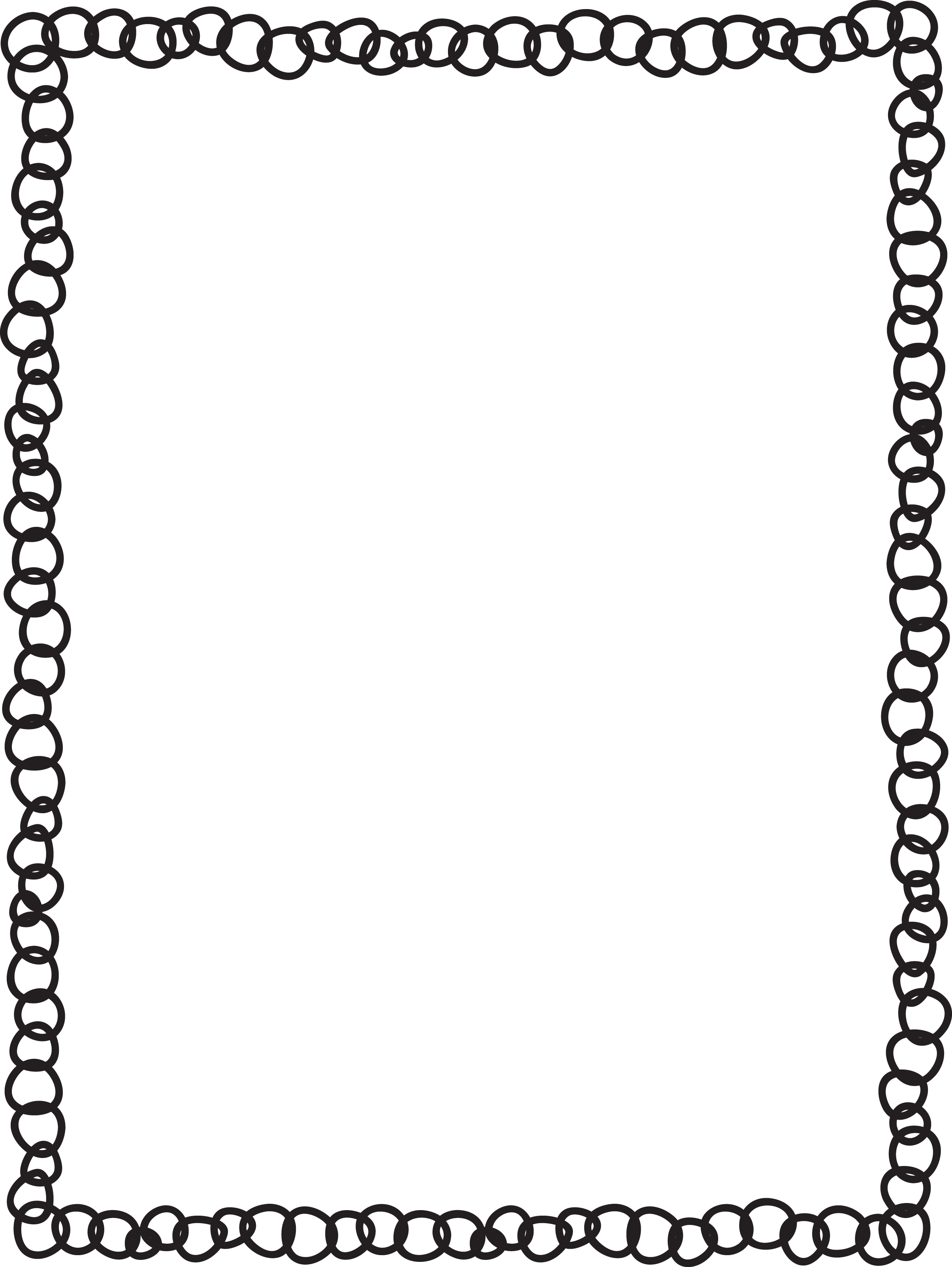
Funnel

Water

**EXPERIMENT**

1. Put on your safety goggles!
2. Fill the bottle 3/4 full with vegetable oil.
3. Fill the rest of the bottle with water (almost to the top but not overflowing).
4. Add about 10 drops of food coloring. Be sure to make the water fairly dark in color. Notice that the food coloring only colors the water and not the oil. Hmmm…
5. Divide the Alka-Seltzer tablet into 8 pieces.Drop one of the tiny pieces of Alka-Seltzer into the oil and water mixture. Watch what happens. When the bubbling stops, add another chunk of Alka-Seltzer. It’s just like a lava lamp!





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RESULTS

Draw a detailed scientific sketch of what you observed

**OBSERVATION**

Write a vivid statement on what you observed using your senses.

**CONCLUSION**

I agree / disagree with my hypothesis because \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CONCLUSION

I agree / disagree with my hypothesis because \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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