



WHITMAN COLLEGE

Science at Home



Materials Needed:

- 1-2 tbsp baking soda
- vegetable oil
- ½ cup vinegar
- 2-5 drops food coloring
- glass jar/container
- bowl/additional container

Make A Homemade Lava Lamp!

1. Add 1-2 tablespoons of baking soda to the bottom of the container
2. Fill container half way (at least) with oil
3. Add vinegar into separate bowl bowl, add food coloring to the vinegar
4. Ladle vinegar mixture into the oil and watch what happens!

Science Behind the Science You See

The reaction between baking soda (sodium bicarbonate) and vinegar (acetic acid) creates gas. The formation of the gas from the mixing of the acid and base makes it so the bubbles move up and down, just like in a real lava lamp!

Brought to you by Whitman College Science Outreach Team. Please visit our website for more fun activities to do at home.

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