

Learning Target: I can carry out an investigation to determine if a chemical change occurred based on observable evidence (color change, gas, temperature change, odor, new substance produced).

Make your own Alka-Seltzer Powered Lava Lamp

Materials:

- Alka-Seltzer
- Vegetable oil
- Water with food coloring
- Clear cups

Instructions:

1. Pour 1/3 of a cup of water into the clear cup.
2. Add 3 drops of food coloring to the water in the clear cup.
3. Pour 1/3 a cup of vegetable oil into the clear cup.
4. Put in an Alka-Seltzer and observe what happens.
5. Congratulations! You just made your very own Alka-Seltzer lava lamp!

Checks for Understanding!

1. Did this lab demonstrate a chemical or physical change? _____
2. What evidence did you observe to let you know what type of change it was? _____

3. Is this reaction reversible or irreversible? _____

Explain why. _____

4. Is this an endothermic or exothermic reaction? _____

5. **Bonus! Why did the vegetable oil sit on top of the water mixed with food coloring?** _____

