



LAVA LAMP

Ingredients

- Plastic Bottle with Cap
- Vegetable Oil
- Water
- Food Coloring
- Alka-Seltzer Tablet

Science Terms

- **Oil** – A thick, greasy, liquid substance that burns easily and is used as a fuel, lubricant, or food.
- **Carbon Dioxide** – A compound gas that is exhaled by animals as a byproduct of using food and that is used by plants to make food.

Instructions

STEP 1: Fill the plastic bottle three quarters of the way with vegetable oil.

STEP 2: Fill the plastic bottle the rest of the way with water.

STEP 3: Place several drops of food coloring into the plastic bottle.

STEP 4: Break the Alka-Seltzer tablet into two pieces.

STEP 5: Place each of the pieces of Alka-Seltzer tablet into the bottle.



Explanation

This experiment proves water and oil don't mix. The carbon dioxide gas created when you dropped the pieces of Alka-Seltzer tablets into the mixture causes the colored water blobs to push to the top through the oil.

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