



# Halloween Experiments

Discover the magic of Halloween through fun experiments! We will explore fascinating phenomena using materials that are easily accessible to everyone.

## Experiment 1: Pumpkin Boiling

Learn how to create a spooky effect by making a pumpkin boil using simple household items.

## Experiment 2: Bubbling Lava

Create a mesmerizing lava effect using ingredients you can find in your kitchen. Get ready for some bubbling fun!

## Experiment 3: Glowing Pumpkin

Discover the secret to making a pumpkin glow in the dark. It's a perfect way to add an eerie ambiance to your Halloween decorations.

## Experiment 4: Flying Ghosts

Get ready for some spooky fun as we make ghosts fly using the power of static electricity. It's a thrilling experiment you won't want to miss!

# Experiment 1: Pumpkin Boiling

## Materials needed:

A pumpkin, water, vinegar, baking soda, and food coloring.

## Procedure:

Pour water and vinegar into the pumpkin, add food coloring, and then add baking soda.

## Explanation of the phenomenon:

The reaction between the baking soda and vinegar creates carbon dioxide, forming bubbles that make the pumpkin boil.

# Experiment 2: Bubbling Lava

## Procedure:

Mix hydrogen peroxide with liquid soap and food coloring inside the bottle. Add yeast and observe the reaction.

1

Materials needed:

A plastic bottle, yeast, hydrogen peroxide, liquid soap, and food coloring.

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Explanation of the phenomenon:

The yeast acts as a catalyst and decomposes the hydrogen peroxide into water and oxygen, creating a bubbling effect similar to erupting lava.

# Experiment 3: Glowing Pumpkin

## 1 Materials needed:

A carved pumpkin, aluminum foil, water, vegetable oil, and a candle.

## 2 Procedure:

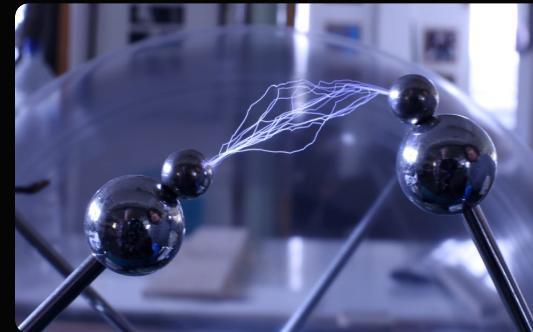
Fill the pumpkin with water and vegetable oil. Place a lit candle inside and seal the top with aluminum foil.

## 3 Explanation of the phenomenon:

The water and oil act as barriers to prevent the pumpkin from burning, while the aluminum foil redirects the heat upwards, creating a stunning visual effect.



# Experiment 4: Flying Ghosts



## Materials needed:

An inflated balloon, a tissue paper, and a flashlight.

## Procedure:

Rub the balloon with the tissue paper and bring it close to the turned-on flashlight. Observe how the balloon lifts up.

## Explanation of the phenomenon:

When you rub the balloon, it acquires static electric charge, creating a repulsive force between the balloon and the turned-on flashlight, causing the balloon to rise.