

Black Pepper Buoyancy

Materials Included:

- Pepper packets
- Dish soap

Materials Needed:

- Plate or bowl
- Water
- Blue food coloring (optional)

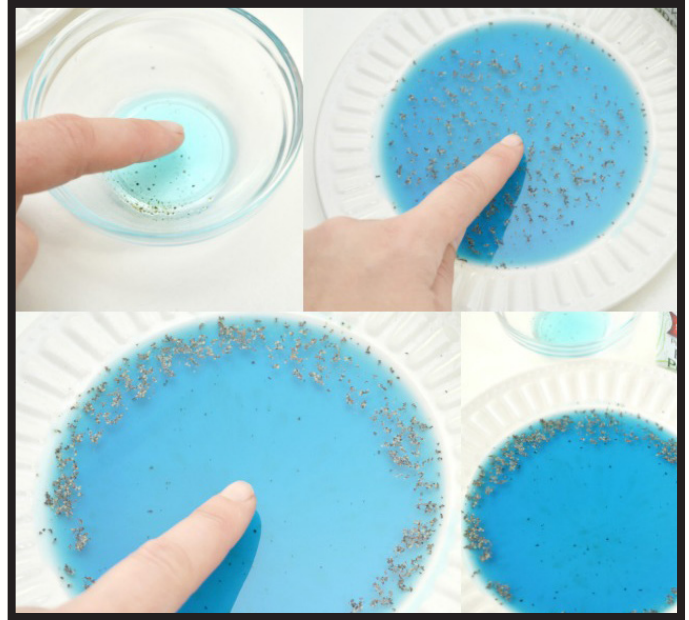


Photo from coffeecupsandcrayons.com

Instructions:

1. Pour water onto your bowl or plate. If using a plate, make sure you have enough water to cover the surface of the plate.
2. Sprinkle some pepper on top of the water.
3. Dip your finger into the dish soap.
4. Place your finger in the water in the middle of the plate.
5. Watch as the pepper scatters to the edge of the plate!

What's Happening?

When the soap is added to the plate, the surface tension changes and the pepper no longer floats on top.