

Pepper and Soap Experiment

Do you know how you get rid of germs when you wash your hands with soap? Try this pepper and soap experiment to understand

Things You Need For The Pepper And Soap Experiment

- A plate
- Liquid dish soap
- Water
- Black Pepper
- A small bowl



Steps To Conduct The Pepper And Soap Experiment

- **Step 1:** Fill the plate with water almost to the edge, but ensure that it doesn't overflow. Sprinkle some black pepper over the water. You'll notice that the pepper floats on the water. This happens because of buoyancy.
- **Step 2:** Dip your finger in the center of the plate. Did you notice any change? Not much happened, right? You may have just got some pepper flakes stuck to your finger. Imagine that these pepper flakes are germs. If you accidentally touch your face or mouth with hands that are contaminated with germs, it could make you sick.
- **Step 3:** Now, add a drop or two of liquid soap into a small bowl. Ask your child to stick their finger into the bowl and get some soap on their finger.
- **Step 4:** Now, dip your soap-covered finger in the bowl with the water and pepper flakes. See anything different this time? You'll notice that the pepper flakes (germs) move away to the edge of the plate. Your soapy finger pushed the pepper flakes away to the edge of the plate.

Read Osmo's [Pepper And Soap Experiment](#) To Learn Why The Pepper Flakes Move Away From Your Soapy Finger.

