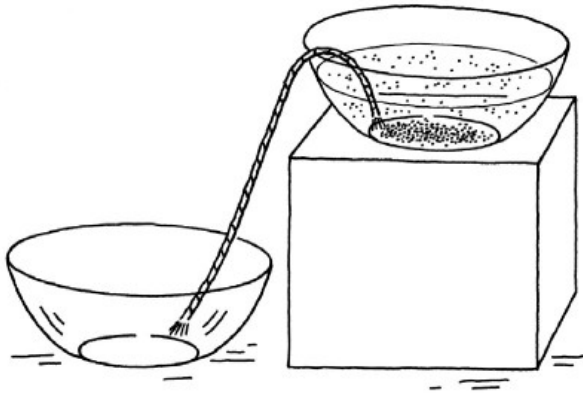


# Science Projects for Kids: States of Matter

by the Editors of Publications International, Ltd.



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## Homemade Water Purifier

Try this homemade water purifier to see how suspended matter can be filtered from water. You may be surprised by how this science project for kids on states of matter works.

### What You'll Need:

- Eight-inch-tall cardboard box
- Two bowls
- Water
- Dirt
- Wool yarn

**Step 1:** Set an eight-inch-tall cardboard box on a table. Set a bowl of clean water on top of the box.

**Step 2:** Gently drop a small handful of dirt into the water. Much of the dirt will remain suspended in the water, and the water in the bowl will be discolored.

**Step 3:** Set an empty bowl on the table right next to the cardboard box.

**Step 4:** Twist together several one-foot strands of wool yarn to make a rope.

**Step 5:** Put one end of this rope, or wick, into the bottom of the bowl of dirty water. Place the other end of the wick in the empty bowl. After a while, drops of clear water will drip off of the free end of the wick into the empty bowl.

### What Happened?

The material in your rope absorbs water and draws it from the bowl. It leaves the dirt behind, however, so the water that drips into the second bowl is clean.