

# Science Projects for Kids: States of Matter

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<http://lifestyle.howstuffworks.com/crafts/other-arts-crafts/science-projects-for-kids-states-of-matter2.htm>



©2007 Publications International, Ltd. Change liquid to solid with sugar crystals.  
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## Sugar Crystals on a String

Sugar crystals on a string can be fun to watch grow and delicious to eat. When liquids evaporate into gases, they can leave material behind. That material can be very tasty, as shown by this science project for kids on states of matter. But note that this project requires adult supervision!

### What You'll Need:

- Pan
- Water
- Sugar
- Measuring spoon
- String
- Pencil
- Glass
- Scissors
- Button

**Step 1:** Fill a small pan with warm water.

**Step 2:** Add one tablespoon of sugar, and stir until it dissolves.

**Step 3:** Continue adding sugar, one tablespoon at a time, letting each tablespoonful dissolve completely before adding the next. When no more sugar will dissolve in the water, allow the saturated solution to cool.

**Step 4:** Tie a string to the middle of a pencil, and set the pencil across the rim of a glass. Cut the string so that it just touches the bottom of the glass. Tie a button onto the bottom of the string.

**Step 5:** Pour the cooled sugar water into the glass. Rest the pencil across the rim of the glass so that the string and button are in the solution.

**Step 6:** Allow the glass to sit in a warm place without being disturbed for several days so that the water evaporates. As the water evaporates, it will leave sugar crystals on the string. You've just made rock candy.