

DINO'S DYNAMOS Experiment

Creating Crystals!

You will need:

- 2 x old jam jars
- bicarbonate of soda
- 1 small plate
- length of wool
- 2 x paperclips



Step 1. Fill two jam jars with hot tap water.

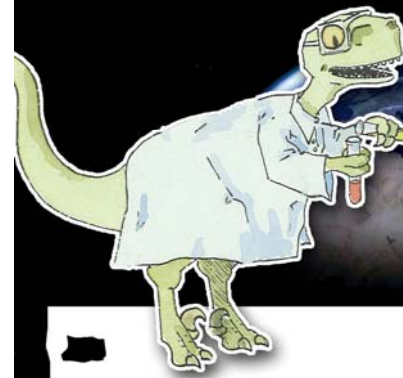
Step 2. Stir in six teaspoons of bicarbonate of soda into each jam jar.

Step 3. Put the jam jars in a warm place where they will not be moved (a window sill is a good place). Place a small plate in between them. As shown above.

Step 4. Cut a piece of wool as long as your arm. Tie a paperclip to both ends of the wool and place one paper clip in each jam jar so the wool hangs over the plate in the middle.

Step 5. Leave your experiment for a week.

Crystals will grow along the wool!



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Explain the Experiment!

The wool soaks up the mixture of water and bicarbonate of soda. Over time, the water evaporates and leaves behind the white bicarbonate of soda which has crystallized. These crystals are solids made up of particles that are arranged in a regular pattern.

FACT! You eat crystals everyday! Both salt and sugar are crystals too.



FACT! Roger Hiorns was nominated for the Turner Prize for art using crystals. He grew millions of blue copper sulphate crystals over all the walls and ceilings of a whole flat! Don't try that at home!



Granite

FACT! You can often see crystals in rocks such as granite and in metals such as gallium.

