



Let's Preserve Snow Crystal



Point

Making replica by covering snow with plastic



Material

Adhesive (exclusive to acrylic)

Acrylic particle

Glass board or OHP sheet

※You can buy the adhesive and acrylic particle in the home center.



❀ How to do ❀

Preparing for replica (Make a replica solution)

1

Put the acrylic particle (1g) in the adhesive (30ml)



2

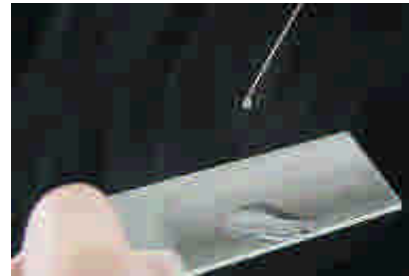
Mix to melt.



3 Put replica solution in glass plate outside and keep chilled.

How to experiment

1 Drop replica solution on the glass plate.



2 Catch the snow on the glass plate.



3 Leave the glass board 2~3 hours in the place that is can't be reach by any snow fall.



4

Observe the crystal of snow with magnifying glass.



※「Snow is a letter from the heaven」

This word is from teacher KICHIROU NAKAYAU. The crystal of snow shape is changed by humidity and temperature in the sky. So you could know the situation of snowing sky if you observe the snow.



Information

Hiramatsu-type plastic bottle population snow generator

Hokkaido West Asahikawa High School Teacher, Mr. Hiramatsu developed “Hiramatsu Bottle Artificial Snow Generating Equipment”.

You can easily observe the snow crystal in the PET bottle.

Refer to the HP.

Words from Teacher HIRAMATSU:

In 1936, KICHIRO NAKAYAU' s group created the world' s first artificial snow. This was done in the low temperature laboratory. I have to be able to observe the snow crystal growth process at room temperature in a room You can experience the fun and feel more the natural phenomenon. So, we tried to create artificial snow in a bottle. I live in Hokkaido. I have thought to do it on the world of snow and ice in the science class. When you study about snow and ice, I want you to try this experiment readily and spread to children who have never seen the snow.

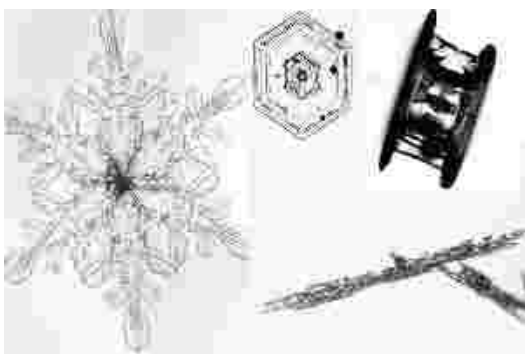
<http://users.eolas-net.ne.jp/saebou/kazupage/pet.htm>



You can make the crystal of snow readily. This picture from Teacher HIRAMATSU.

Progress

If the temperature and humidity will change, how does the shape of the snow crystal changes?
Are there differences between inland snow and snow in the seashore ?



※ There are many kind of shape

This figure refer to this HP
(<http://yukipro.sap.hokkyodai.ac.jp/>)