



Let's See How Water Freezes



Point

Sometimes water will not freeze even the water temperature is under 0°C



Materials



- Snow
- Bucket
- Salt (200g)
- Cool water
- Test tube
- Thermal
- Disposable wooden chop stick



How to do

Preparation for the experiment

1 Fill the bucket with snow.

2

Put water (2L) and Salt (200g) in the bucket



3

Mix them with disposable wooden chopstick to attain the temperature of 5°C~8°C



1 Half fill the test tube with cool water.



2 Hold the test tube above the snow in the bucket.

3 After 2 minutes, remove it slowly.

4

Drop snow or ice in the test tube.



5

Observe growing ice. If the ice didn't freeze, prolong the time for about 2 minutes and half. If the ice has already frozen, shorten the time about 1 minute and half.



✂ When the water cooled slowly and evenly, it freezes not lower than -5°C . This condition is called super cooling. Have a drop of ice and shook it, the ice will grow in a matter of seconds.

 **Progress**

You can use Tea or Soda pop instead of water.