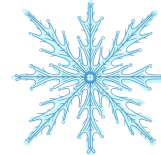


# Frost in a Can Experiment



PLANTING FIELDS

Education Center  
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Frost is water vapor that becomes solid. Frost forms when an outside surface cools past the dew point. The dew point is the temperature of the air, in which the water vapor will turn to liquid. If the temperature is low enough, the liquid will freeze and frost will form. You can create your own frost at home by doing this experiment!



## Materials:

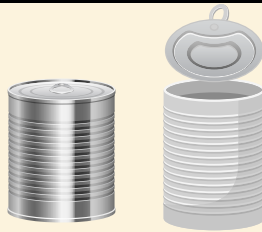
- Salt
- Ice
- Tin Can

1

Have a parent/guardian help you prepare your tin can. Remove the lid and then rinse and dry your tin can to make sure it is clean. Remove any outer label on the can.

2

Fill your can with ice cubes. Then fill your can about halfway with water.



3

Pour some salt onto the top of your ice to get the melting point of the ice to drop.

4

Shake the can gently, and watch. After two minutes, a layer of frost will form on the outside of the can.

**Troubleshooting:** If your experiment isn't working, you may have too much water or not enough ice in the can.

