## science experiment．．．

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Did you know？The air around us contains water particles．When the air cools，these water particles become too heavy，so they turn to liquid and build up as droplets or condensation on a surface．

Frost is a thin layer of ice that forms on a surface． It is created when the temperature of the air is just above freezing，while the surface of the object is slightly below freezing．When the water particles from the air come in contact with a freezing surface，it causes them to change to ice，forming a thin layer of ice crystals．

## questians：

$\square$ What is frost？What time of year are we most likely to see frost？
$\square$ Have you ever seen frost before？What types of surfaces are most likely to have frost form on them？

E Explain how frost is formed in your own words．
$\square$ Create a sentence for each of the following words：contains， condensation，surface，contact

## science experiment...

## Frost in o dæp

## Materials:

## - Two glass jars - Cup of ice <br> - Food coloring

## $\square$ Salt <br> Water <br> Marker

## Directions:


$\square$ Add some food coloring (optional) to your water and set it aside.
$\square$ Use a marker to label each jar with a number. Then, fill each jar with ice, leaving a little room at the top.
$\square$ Jar \#1: Add a half-inch layer of salt.
$\square$ Jar \#2: Do not add any salt.
$\square$ Next, pour some water into each jar until they are mostly filled.
$\square$ Wait one minute and observe what happens to the ice in both of the jars.
$\square$ Put a lid on each jar and shake for 30 seconds.
$\square$ After about 3 minutes, you should see a thick layer of frost begin to form on the outside of your jar(s)!
$\square$ Discuss your observations! Which jar resulted in more frost? Why do you think so?

