

Frosty the Soup Can

Brrrrr, it sure is getting chilly outside. In the mornings when you go to school do you sometimes see dew or frost on the grass? How are they different? Let's do an experiment to find out.

You will need: 2 empty soup cans without their labels, some crushed ice, water and table salt.

Fill your cans halfway with crushed ice. In one can add 4-5 tablespoons of salt. Mix it up really well then let it stand awhile. In the other can put enough water in to cover the ice. Now watch the cans, what happens?



What happened?

The temperature outside the can with the ice water is warmer than the contents inside the can, which causes dew to form.

The can with the salt water mixture inside drops **below freezing**, so the moisture or dew on the outside of this can freezes into frost.



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<http://rfcd.pima.gov/outreach/hank/>