

Ice Cream Recipe and Directions

Plastic Bag Ice Cream Recipe*

- ½ cup milk
- ½ teaspoon vanilla
- 1 tablespoon sugar
- 4 cups crushed ice
- 4 tablespoons salt
- 2 quart-size Zip-loc bags
- 1 gallon-size Zip-loc bag



- Mix the milk, vanilla, and sugar together inside one of the quart size bags.
- Seal tightly, allowing as little air to remain in bag as possible. *Too much air left inside may force the bag open during shaking.*
- Place this bag inside the other quart size bag, again leaving as little air inside as possible and sealing well. *By double bagging the ingredients, the risk of salt and ice leaking into ice cream is minimized.*
- Put the two bags inside the gallon size bag and fill the bag with ice, then sprinkle salt on top. Again let all the air escape and seal the bag.
- Wrap the bag in the towel or put your gloves on, and shake and massage the bag, making sure the ice surrounds the cream mixture. The mixture should freeze into ice cream within five to eight minutes.

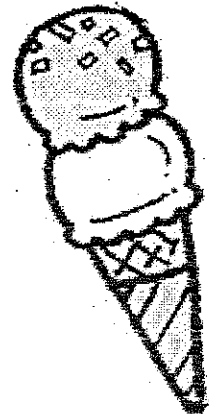
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Instructions for experiment:

- Opening a small area of the zipper of the gallon bag, place a thermometer into the ice/salt mixture being careful not to puncture the bag.
- Record the temperature on the handout.
- Remove the thermometer and re-seal the bag.
- Shake the bag for two minutes and again take the temperature of the ice/salt mixture and record. Continue this at two-minute intervals until the ice cream begins to form a solid.
- Record the last temperature and eat your experiment!



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