

How salt effects the time it takes for liquids to freeze.

Materials: 1 cup milk, 1 cup water, 1 cup unsweetened tea, 3 containers, ¼ tsp. salt.

Directions: Put liquids in fridge to reach the same temperature. Freeze liquids without salt and record how long they take to freeze. Add ¼ teaspoon salt and freeze again. Record how long they take to freeze.

I think the water will freeze first, tea second, and milk last. Water first because it is thinner. Milk last because it is thicker. I think the outcome will be milk first, tea second and water last. When you put salt on ice, it melts so that's why I think it'll be last.

With Salt

Liquid	Time
Water	5 hrs. and 20 min.
Tea	5 hrs.
Milk	6hrs. and 10 min.

Without Salt

Liquid	Time
Water	4 hrs. and 40 min.
Tea	4hrs.
Milk	5hrs. and 20 min.

I was wrong both times. Observations: The tea and the water started to freeze from the top to the bottom. I think the milk did too, but I couldn't tell.