

Ice Fishing

*What happens
when water meets salt?*

Let's go fishing for ice cubes! What should we use as our bait for the ice cube fishing?

Things You Will Need

Ice cubes, bowl or glass of water, string (yarn string works best), salt.



Steps

1. Put some ice cubes in a glass or a bowl and fill with water.
2. Place the end of the string on top of the ice cube.
3. Sprinkle salt on the ice where the string is placed.
(Too much salt will make the ice melt too fast.)
4. Wait and watch the water melt slightly and refreeze.
5. After about 10-15 seconds, pull the string gently.
(Too little time on the ice will not let the cube refreeze.)
6. You caught your ice cube!

Takeaway

Adding salt to ice lowers the ice's melting point. (Remember our ice cream experiment with ice and salt?) When the ice starts to melt, a little pool of water forms on top of the ice cube and the string sinks into it. However, when the surrounding temperature is still cold enough to freeze, the ice re-freezes and freezes the string along with it. That's how you catch your ice cube!

