

## Melt the Ice!

Your task is to work out the quickest way to melt an ice cube.



heat



cold



water



salt



sugar



other

Draw what you will need.

I predict that \_\_\_\_\_ will melt the ice the quickest.

I predict that \_\_\_\_\_ will melt the ice the slowest.

Draw what happened.



What melted the ice the quickest?

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What melted the ice the slowest?

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## Why do you think some substances melted the ice faster?

### Instructions (suggestion)

- Make ice cubes the night before the experiment (You can put small toys inside the ice cube tray before filling it up with water).
- Carefully put the tray into the freezer and wait for the ice cubes to form over night.
- Pop out the ice cubes.
  
- Arrange three ice cubes in each bowl so just the corners are touching. Using the masking tape and marker, label each bowl so you know which substance will be in it.
- Next, sprinkle 1 teaspoon of each substance over the ice in the appropriately marked bowl. Remember, one bowl is your control bowl. It gets no substance so that you can compare your experiment to regular melting of ice.
- Check on your ice regularly.
- When one bowl is at least half melted or completely melted check and compare.
- Using a funnel, pour the liquid from one bowl into a measuring jug. Repeat this step for each of the substances and the control.