

# Now You See It, Now You Don't



This activity teaches children to pay close attention by seeing how long it takes different kinds of liquids to freeze and melt.

## What you'll need

- 2 ice cube trays
- A clock
- Water
- Small bowls
- Paper
- Pencil
- Other liquids

## What to do

1. Together, fill one ice cube tray to the top with water. Fill the other tray only half full.

Put both trays in the freezer. Check the clock. In 2 hours, look to see if the water has frozen (if not, wait until it has frozen).

How long did it take the water in each tray to freeze?

Did the smaller amount of water freeze faster than the larger amount?

2. Take an ice cube from each of the 2 trays. Put them in separate bowls to melt. Which cube melts faster—the larger one or the smaller one?
3. Put one ice cube in a window and another in the refrigerator (not freezer) and see how long they take to melt.
4. Try to freeze samples of liquids such as fruit juices. Compare their freezing times to that of water.



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*This activity can help your child understand that things don't happen immediately. It will also introduce the concept of change—liquid to solid to liquid again—and the idea of having to wait to get the result you want.*