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## Activity

5B

## Make Your Own Slushies!



### Skills:

Do practical work safely, learn to identify risks and explain how to be safe during practical work

### Materials:

Fruit juice  
Small resealable plastic bag  
Large resealable plastic bag  
Ice cubes  
Salt  
Teaspoon  
Towel

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### Method

- 1 Pour the fruit juice into a clean, small plastic bag. Seal the bag completely to make sure no liquid spills out.
- 2 Put the bag of juice into a large plastic bag.
- 3 Fill the large plastic bag with some ice cubes. Add three teaspoonfuls of salt.
- 4 Seal the bag. Shake it for five to ten minutes.
- 5 Take the bag of juice out of the large plastic bag. What has happened to the fruit juice?

The fruit juice has solidified.

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The bag can become very cold. What can you do to handle the bag safely?



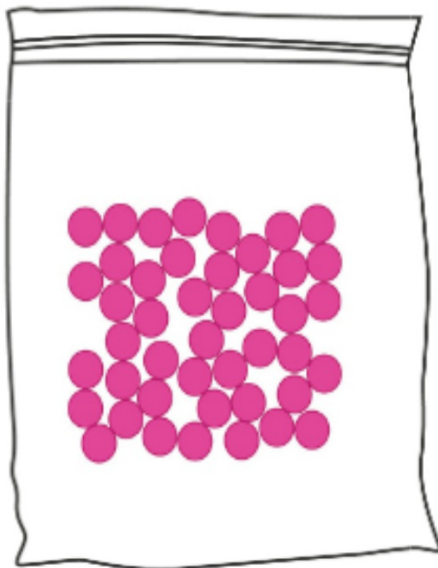
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- 6 What has happened to the movement of the particles as the fruit juice cools down?

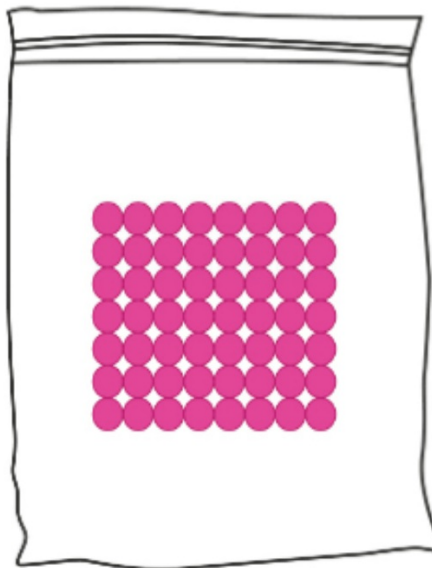
The particles moved slower and closer together.

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- 7 Draw a model of the particles in each of the plastic bags below. Label your drawing.



particles at the start



particles at the end