STEM

Challenge support materials

p2: Challenge/Questions card

p3-4: Posters

p5: Practitioner notes

p6-8: Word cards (for display or as flash cards)

p9-11: ‘What did we do?’ sheets (for writing, drawing, or adding a photograph)

p12-14: ‘My experiment’ sheets (for writing, drawing, or adding a photograph)

**Make something melt**

**This pack includes…**

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STEM

Can you…

…make something melt?

Challenge

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STEM

Questions

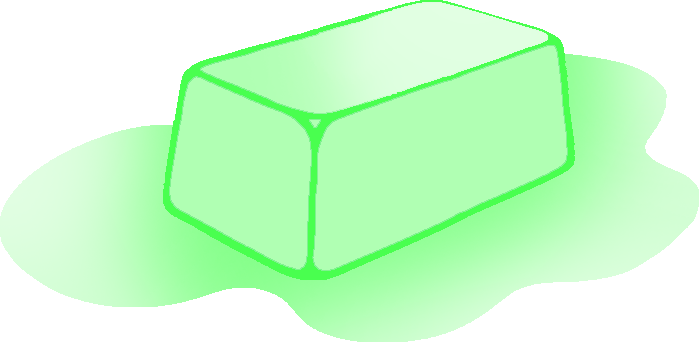
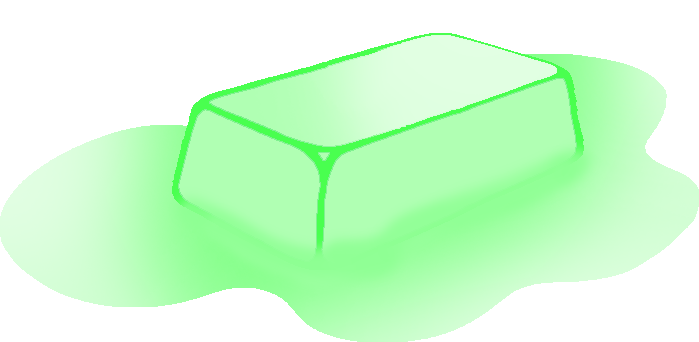
How would you melt an ice cube?

How would you melt a piece of chocolate?

What is happening as it melts?

?

?



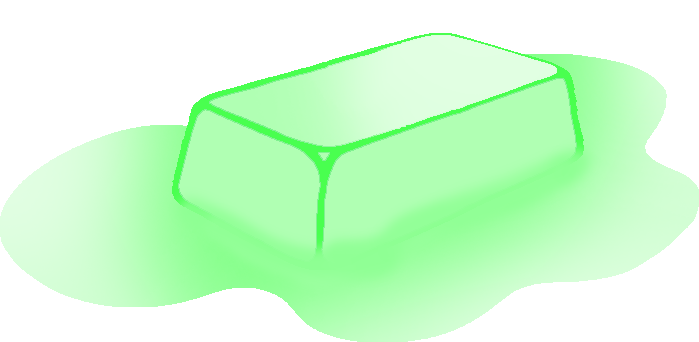
?

A picture containing text, stationary

Description automatically generated

melt

A picture containing icon

Description automatically generatedShape

Description automatically generated with low confidence

melting

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solid

liquid

Icon

Description automatically generatedIcon

Description automatically generated

© 2022 Little Owls Resources

solid

liquid

A picture containing silhouette

Description automatically generated

Encourage a short discussion about melting.

What have you seen melt before? – Can you melt *anything*?

Give the children time to explore their ideas and show them the suitable substances you have for melting.

How will you melt it? - What do you need to do?

Allow the children to experiment with the substances with as much independence as possible. Let them discover what works and doesn’t work.

How did you melt your item?

How could you have melted it quicker?

* Ice cubes
* Chocolate buttons
* Ice cream
* Butter

**Items that might be useful**

Practitioner notes

**Make something melt**

STEM

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hard

solid

A picture containing stool, seat

Description automatically generatedShape, rectangle

Description automatically generatedA picture containing indoor, black, kitchenware, tool

Description automatically generatedShape, rectangle

Description automatically generated

ice

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freeze

frozen

change

A picture containing stool, seat

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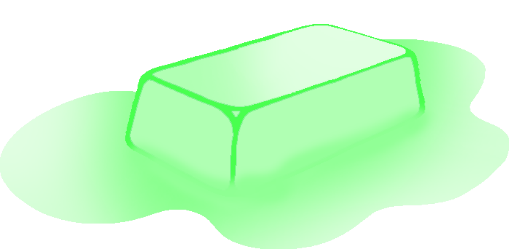
drip

melt

liquid

Icon

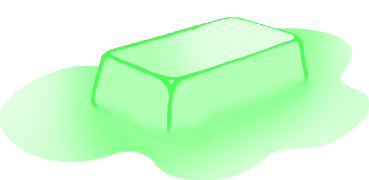
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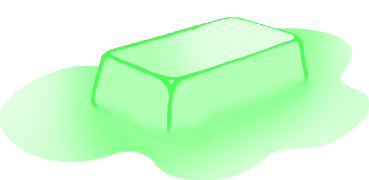
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What did we do?

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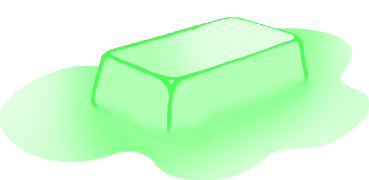
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What did we do?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

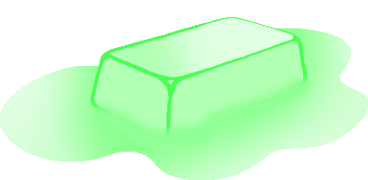
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What did we do?

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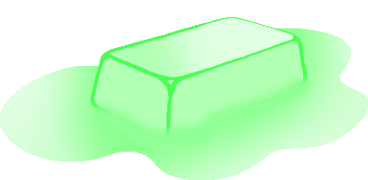
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My experiment

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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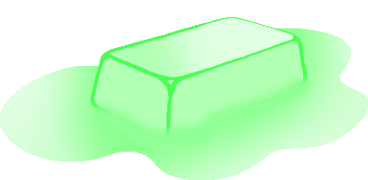
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My experiment

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A picture containing icon

Description automatically generated

My experiment

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