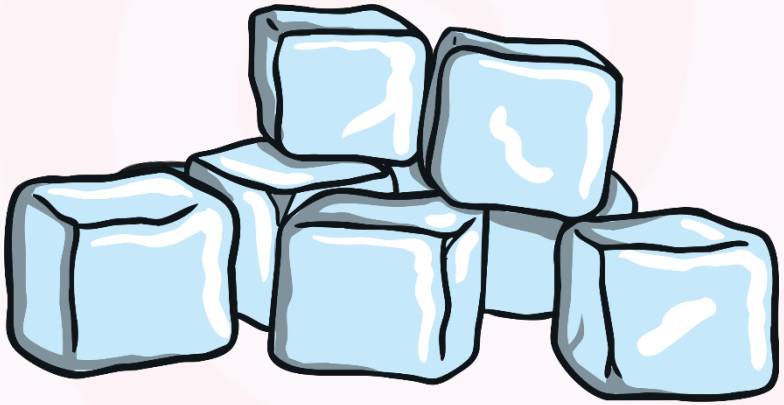
Chocolate Melting STEM Activity

Changes of Matter

We can change a state of matter by heating it or cooling it.

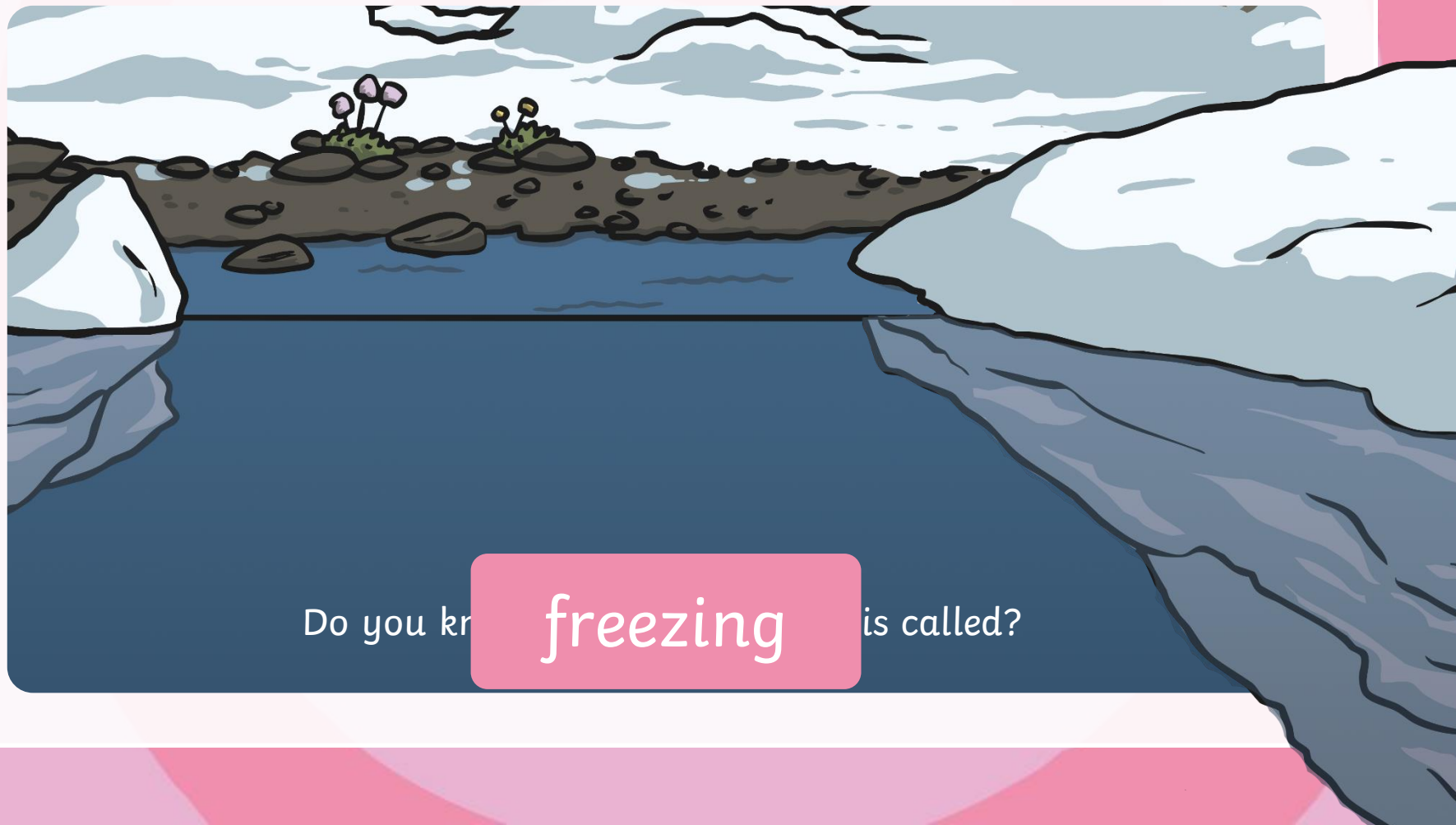
For example, if we heat ice, we can change it from a **solid** to a **liquid**.



Do you kr melting is called?

Changes of Matter

If we make water really cold, it changes from a **liquid** to a **solid.**



Do you kn freezing is called?

Your Task

Using the materials p[illegible]ed, creat[illegible] a device that will help us melt choco[illegible]e, w[illegible]en p[illegible]t outside.

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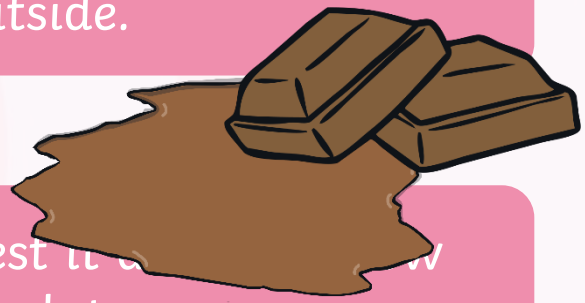
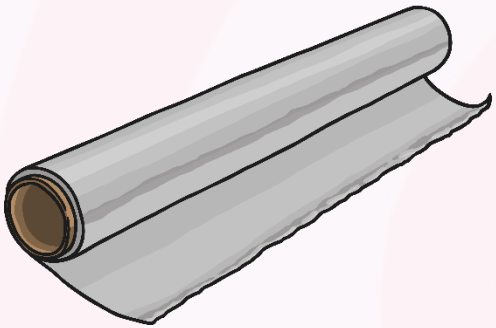
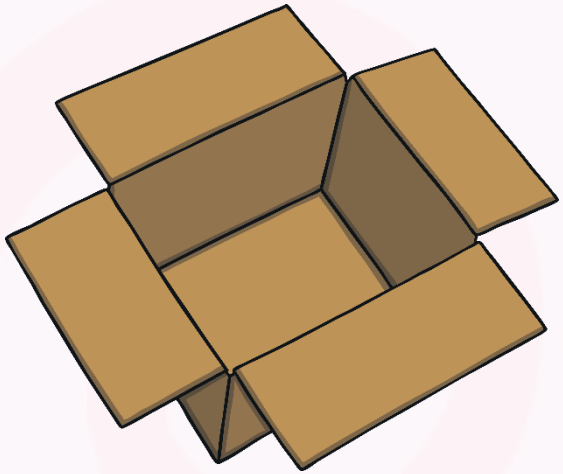


You are going to create it, then we will test it [illegible] long it takes to melt the chocolate.

You will then have the [illegible] change it if you need to before [illegible]t again.

You Will Need





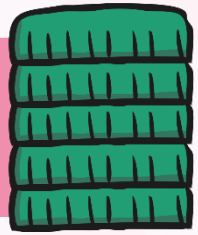
- Cardboard boxes
- Aluminium foil
- Tissue paper
- Milk bottle lids
- Timers

- White chocolate drops
- Milk chocolate drops
- Dark milk chocolate drops
- Cardboard tubes

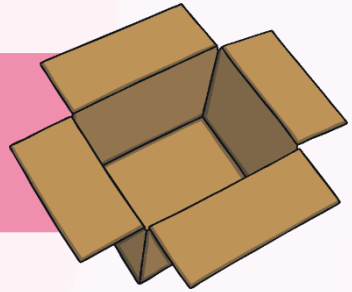
Your Device

Think about the materials you have and how you will put your device together to ensure the chocolate melts.

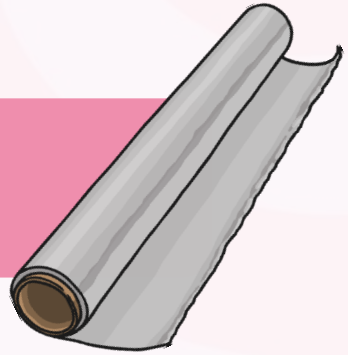
What could the milk bottle lids be used for?



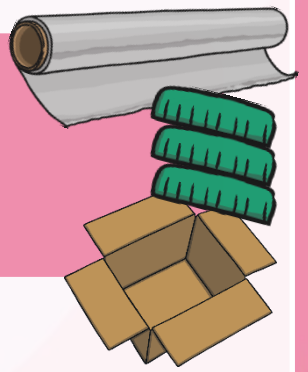
Will your box be open or closed?



How could you use the tissue paper and foil?



Will you use all the materials or just some of them?



Fair Test

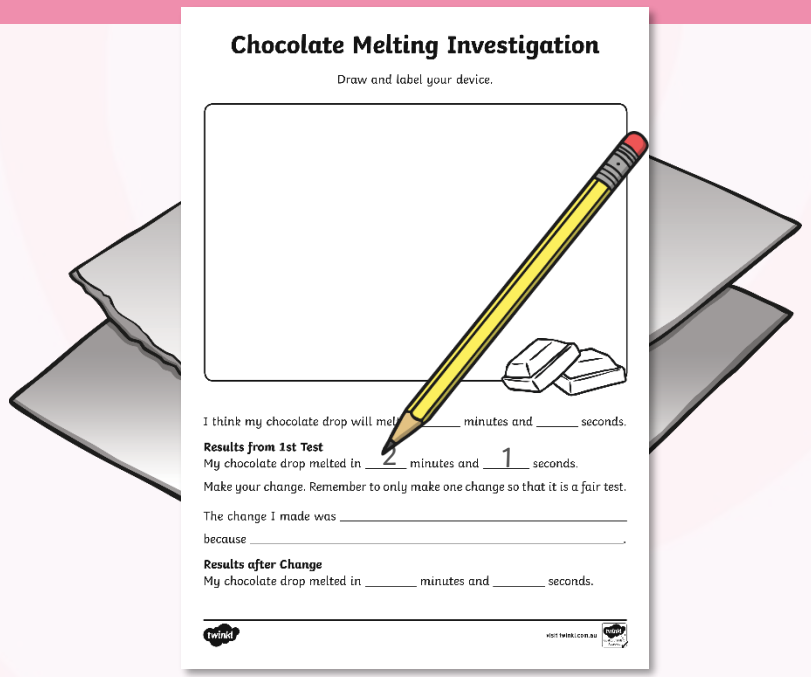
This will be a fair test, which means you can only change one thing at a time.

For example, if you change your design, you have to place the device back in the exact same place.

If you decide you want to test it in a new area, you cannot change the device.

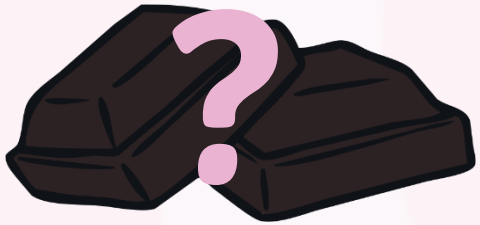
Create

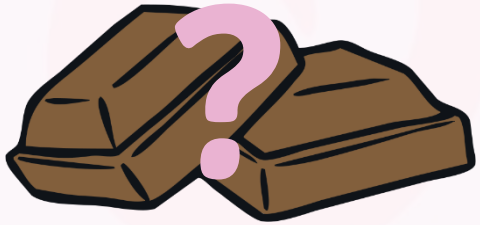
Alter your device and test again.

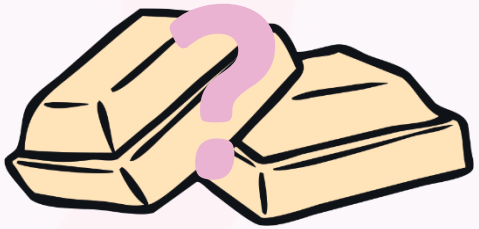


Go Further

Which melts faster – dark chocolate, milk chocolate or white chocolate?







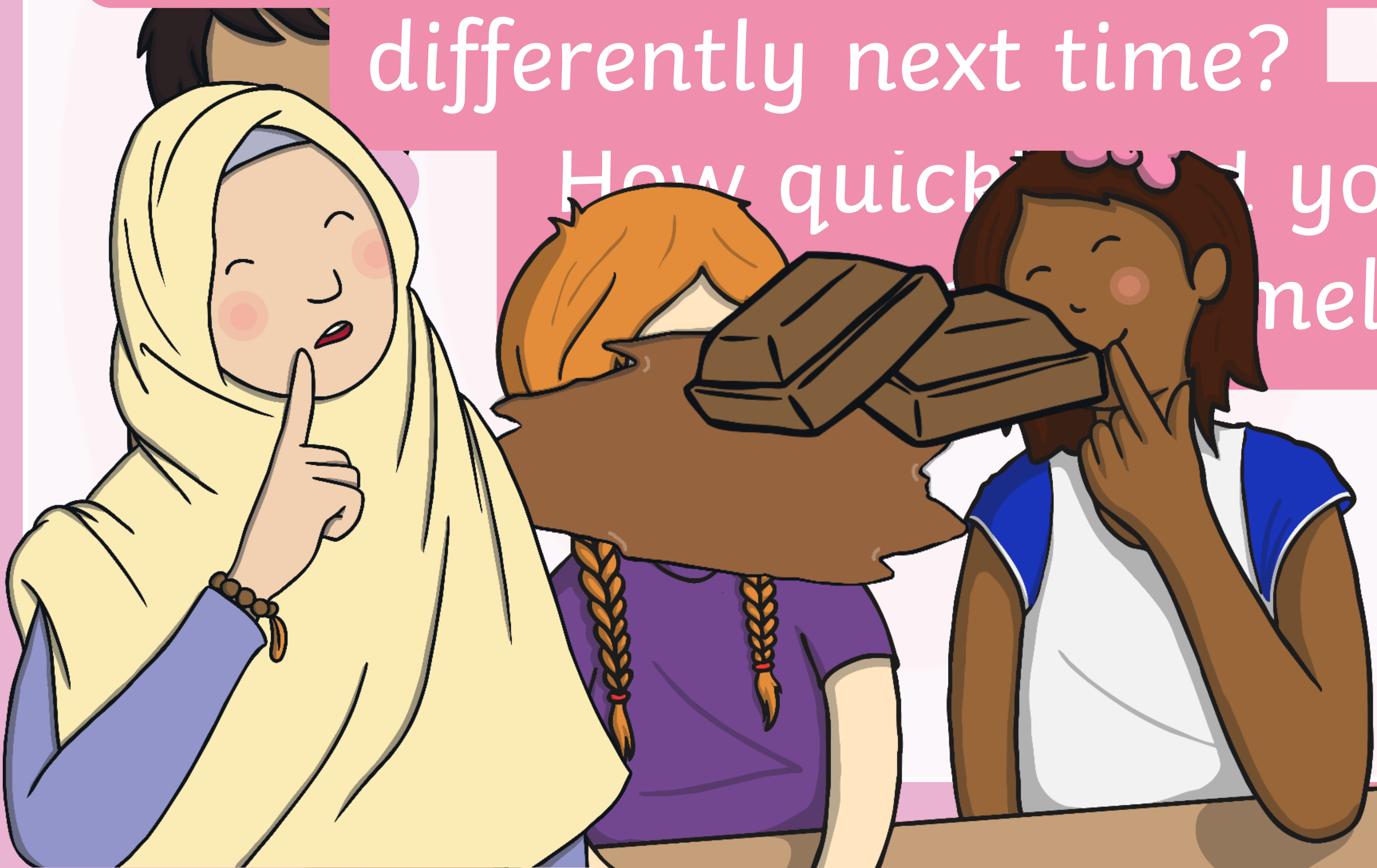
Design a fair test to explore which chocolate will melt the quickest, using your device.

Reflection

Wh… …re?

What could you do differently next time?

How quick… …your … melt?

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