

Heat Keeping Jar

You will need

- 2 glass jars with lids
- bigger jar with lid that will fit over the other jar inside it
- foil
- warm water
- jug
- piece of cork or wood
- thermometer



Steps

1. Wrap foil around the outside of one of the glass jars.
2. Fill a jug with warm water and use your thermometer to measure its temperature.
3. Quickly fill up the foil wrapped jar and the other, unwrapped jar with warm water. Place the lids on top in and then.
4. Put a piece of cork or wood on the bottom of the foil wrapped jar and then place it inside the bigger jar. Heat the big jar by putting the lid on top.
5. Leave the jars for about 10 minutes and then measure their water temperatures using the thermometer.
6. Compare the temperature difference between the protected and unprotected jars.

Explanation

The lid on the jar stopped water from evaporating and taking heat away in the process. The air gap between the big jar and the foil wrapped jar stopped heat from travelling outwards.

The piece of cork or wood also stopped heat taking out the bottom of the jar.

The strong foil helps to keep reflected heat inside the jar.



Ice Experiment

What do you think will happen?

Put water

Wait 10 minutes

What do you think will happen?

What do you think will happen?

Experiment

What do you think will happen?

Experiment

What do you think will happen?



What do you think will happen?

What do you think will happen?



Experiment

What do you think will happen?

What do you think will happen?

What do you think will happen?



Experiment

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Reading Comprehension Science Experiments Ideas

Danielle S. McNamara



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