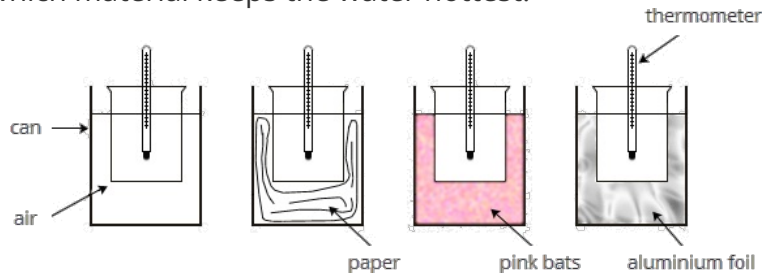


The best insulator

This task is about insulation.

Goal: To find out which material is the better insulator. The materials provided are all used to help keep a house warmer and stop the heat escaping.

Your task is to find out which material keeps the water hottest.



Set up the following experiment:

1. Pour 75 mL of boiling water into each beaker, fix a piece of gladwrap over the beakers and then place a piece of cardboard with a hole in its centre over this.
2. Measure the temperature.
3. Measure the temperature after 15 minutes.
4. Complete the results table.

a) Results

Material	Temperature (°C)		
	Start	After 15 minutes	Change
Air	<input type="text"/>	<input type="text"/>	<input type="text"/>
Paper	<input type="text"/>	<input type="text"/>	<input type="text"/>
Pink bats	<input type="text"/>	<input type="text"/>	<input type="text"/>
Aluminium foil	<input type="text"/>	<input type="text"/>	<input type="text"/>

b) **Conclusion:** Put the materials in order from the best to the worst insulator.

(best insulator) (worst insulator)

c) **Conclusion:** What are **three** things in the experiment that were important to keep the same?

1.
2.
3.