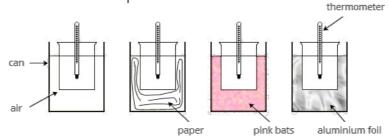
The best insulator

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						
Paper						
Pink bats						
Aluminium foil						

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.	

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