

AQA REQUIRED PRACTICAL:

THERMAL INSULATION



AIM: To investigate which material is the best thermal insulator.

YOU WILL NEED:



Hot Water



Beakers with Lids



Thermometer



Insulating Materials



Stopwatch

METHOD:

1. Pour 100ml of hot water into a beaker.



2. Wrap the beaker in an insulating material.



3. Place a lid on the beaker and measure the starting temperature.



4. Record the temperature every 5 minutes for 20 minutes.



5. Repeat with different insulating materials and compare the results.



CONCLUSION:

Which material kept the water warmest the longest?