

Specific Heat Capacity

Required Practical

– AQA Experiment Guide –

Method

How does heating a material affect its temperature?

1. Measure the mass of the block.



2. Insert the thermometer and heater into the block.



3. Connect the heater to a power supply and attach an ammeter and voltmeter.



4. Record the starting temperature of the block.



5. Switch on the power and start the stopwatch.



6. Measure the temperature every minute and record the results.



Think About:

- Energy supplied ($E = IVt$)
- Temperature change
- Specific heat capacity ($c = ?$)

