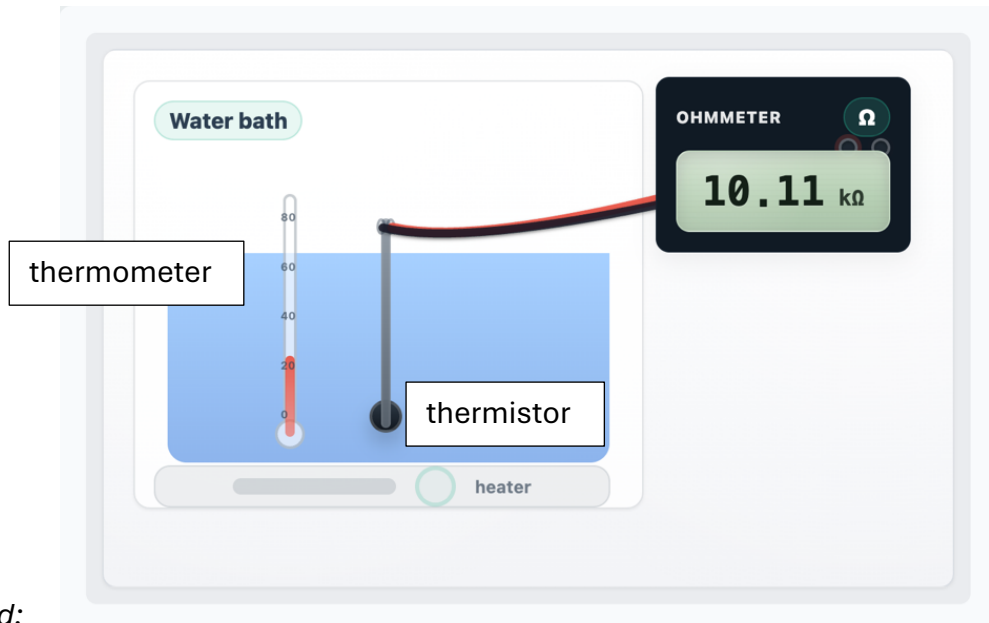


Investigating Thermistors

Aim: You are investigating how the resistance of a thermistor is affected by its temperature



Method:

1. Set the temperature of the water bath to a low value.
2. Record the temperature and the resistance of the thermistor in your results table
3. Increase the temperature by a regular amount and record the new resistance
4. Repeat this for at least 5 different values of temperature
5. Plot a graph of Resistance against Temperature

Results:

Temperature (°C)	Resistance (kΩ)

Analysis:

Plot a graph to show your results. Plot the **Temperature** on the horizontal axis and the **Resistance** on the vertical axis.

Write a conclusion describing your graph: how does resistance change as the temperature increases?

How is this different from other components like a filament lamp?

What do you think thermistors could be used for?

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