

Resistance Required Practical



Objective:

Investigate how the resistance of a wire changes with its length.



METHOD

1. Set up the Circuit



2. Attach wire to the ruler

Connect the wire using crocodile clips.



3. Measure the Length

Move clip to change the length of wire.



4. Record the Readings

Take note of the ammeter and voltmeter readings.



5. Repeat with Different Lengths

Test multiple lengths of wire and record the results.



REMEMBER:



Keep the current constant



Safety: Avoid touching hot wires.