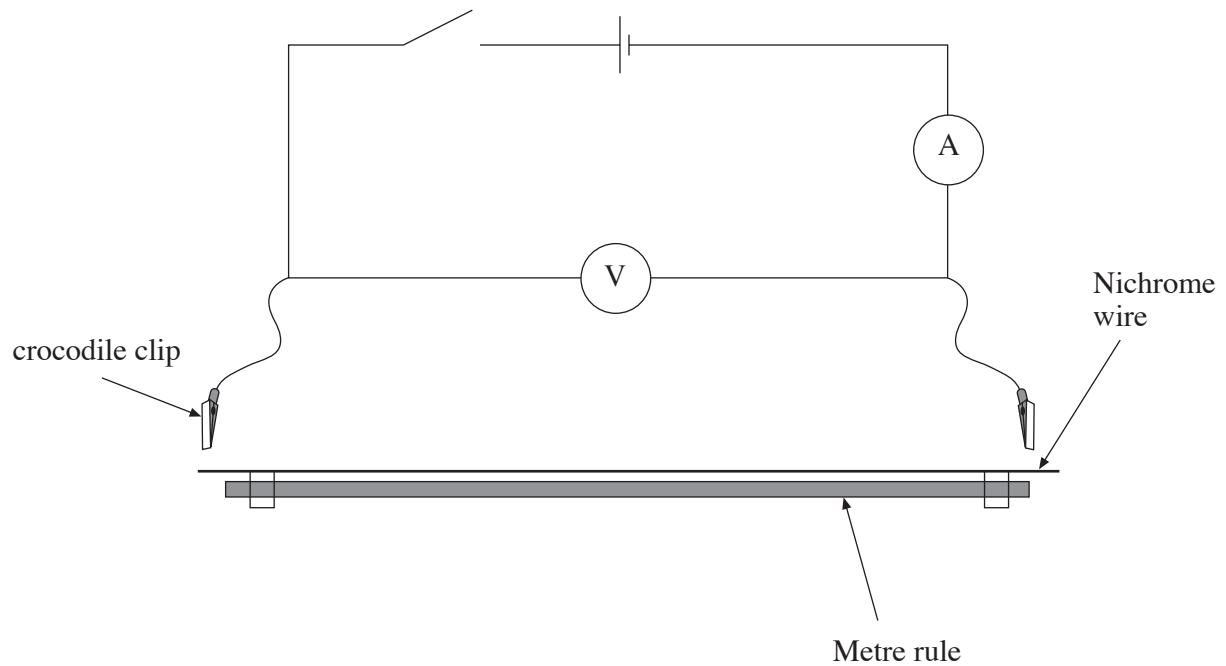


TASK A3 (15 minutes)

Repeat readings are not required for this task.

You are going to carry out an investigation to determine the resistivity, ρ , of nichrome wire. The following circuit has been set up for you.



- (a) (i) Attach the crocodile clips, one to each end and determine a value for the resistance of the nichrome wire. [2]

$$R = \frac{V}{I}$$

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- (ii) Your value for the resistance of the wire is slightly greater than the actual value. Explain why. [1]

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