https://www.youtube.com/watch?v=ZJKmovo-MoM

Physics: Required Practical 2

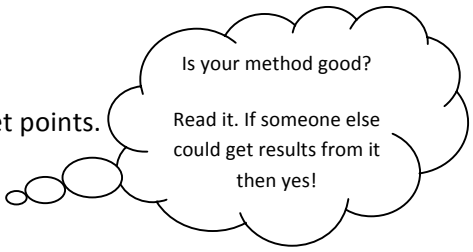
- What is this required practical about?

.....

- Draw a circuit diagram to show how this piece of equipment (above) is put into a circuit. Also include: one battery, one voltmeter, one ammeter, one bulb

- Think about how you carried out this practical.

  Write a logical and comprehensive method, using numbered bullet points.



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- Draw a circuit diagram which includes: one battery, one voltmeter, one ammeter and two bulbs in series.

- Draw a circuit diagram which includes: one battery, one voltmeter, one ammeter and two bulbs in parallel.

- Recall the two factors which affect the resistance of an electrical circuit. For each one, outline *how* it affects the resistance.

1. .....

.....

2. .....

.....

- What does an ammeter measure, and what are the units? (there are two words that can be used interchangeably here, give them both)

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- What does a voltmeter measure, and what are the units?

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- What does a resistor measure, and what are the units?

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- What piece of equipment is used to measure length?

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- Recall the equation that links the size of the electric current and the flow of electrical charge below.
  Give the units for each part of the equation.

- Recall the equation that links potential difference, current and resistance below.
  Give the units for each part of the equation.

- Which equation is used to represent a linear relationship?

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