Use the circles to help you with your learning

- ☺ I know this well ☺ I know this a bit ☺ I don't know this yet



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I know that in a parallel circuit, current has more than one path to flow around the circuit.

I know why that in a parallel circuit, when one lamp goes out, the other lamps may remain lit.

I know that Voltage describes how much energy is given to the electrons flowing around a circuit.

I know that Voltage is measured in Volts (V) using a voltmeter.

I know that a Voltmeter is connected in parallel to components in a circuit.



I know that in a series circuit, the voltages across all the components in the circuit will add up to the power supply voltage.

I can draw circuit diagrams to correctly show how ammeters and voltmeters are connected in a circuit.

I will be able to design electrical circuits to solve a variety of problems.

I know what is meant by 'resistance' and how it affects the current flowing through a circuit.

I know that resistance is measured in Ohms ( $\Omega$ )

I can carry out calculations involving the relationship between

- voltage (V)
- current (I) and
- resistance (R)

This relationship is known as "Ohm's law."

$$V = IR$$

I know how a variable resistor differs from a normal fixed resistor, and can explain two common uses for variable resistors.



