Science

Electricity

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<u>WALT:</u> observe and explain the effects of differing voltages in a circuit.

Aim

ullet I can observe and explain the effects of differing voltages in a circuit.

Success Criteria

- I can draw circuit diagrams indicating the voltage.
- I can explain the effect of increasing or decreasing the voltage on different parts of a circuit.

Current and Voltage

Current

This is the steady flow of electrons. This is measured in amperes (amps)

Vollage

This is the force that makes the electric current flow. This is measured in volts (V)

The greater the voltage, the more current will flow.





How Many Volls?





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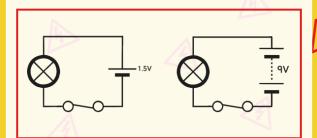
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Labelling Volls



What Difference Does the Volt Make?

Using your new knowledge of volts, make a prediction. We are going to be adding batteries with a variety of volts to the circuit. What do you think will happen to the bulb's brightness?

	OV	I.5V	3.0V	4.5V
Prediction				
Results				

 $\underline{\text{Key words}}$: dull, bright, extremely bright, completely off, dim

