



Science

Electricity



Volts

Aim

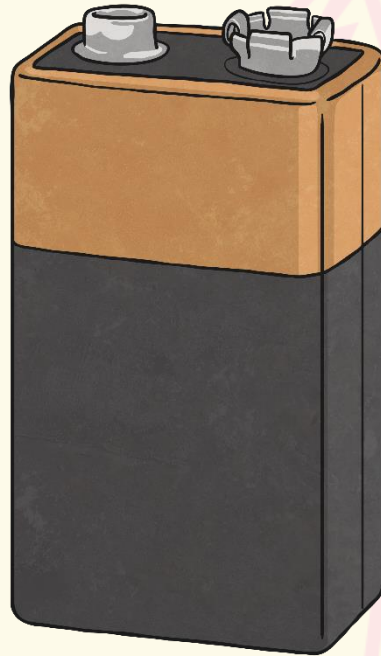
- I can observe and explain the effects of differing voltages in a circuit.

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

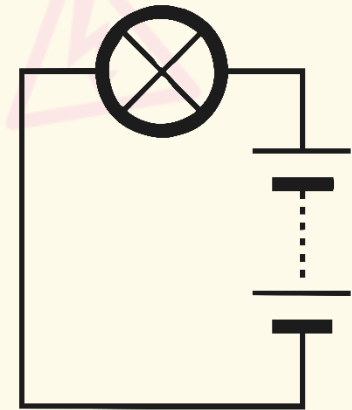
Click the battery to view the video.



Current and Voltage

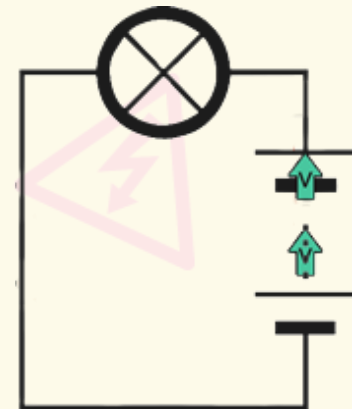
Current:

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



Voltage:

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.

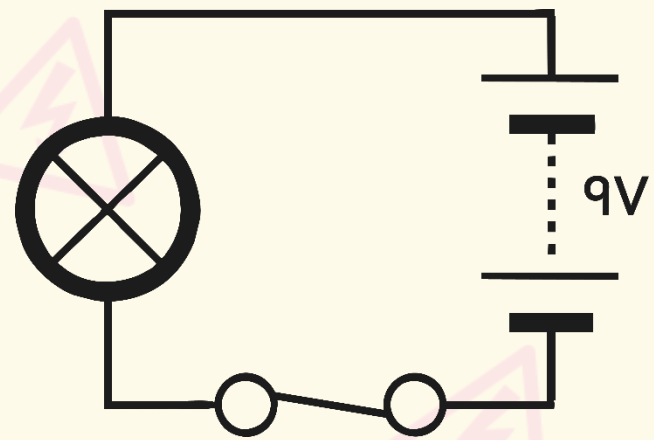
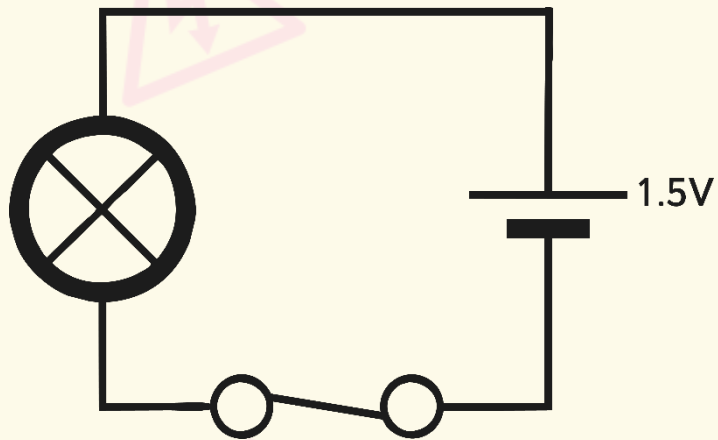


How Many Volts?



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Labelling Volts



What Difference Does the Volt Make?



	0V	1.5V	3.0V	4.5V
Prediction				
Results				



Observing the Effects of Volts



Volts

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

Bulb	0V	1.5V	3.0V	4.5V
Prediction				
Results				

Bulb				
Prediction				
Results				

Bulb				
Prediction				
Results				

Volts

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

Prediction				
Results				

Prediction				
Results				

Volts

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

	0V	1.5V	3.0V	4.5V
Prediction				
Results				

	0V	1.5V	3.0V	4.5V
Prediction				
Results				

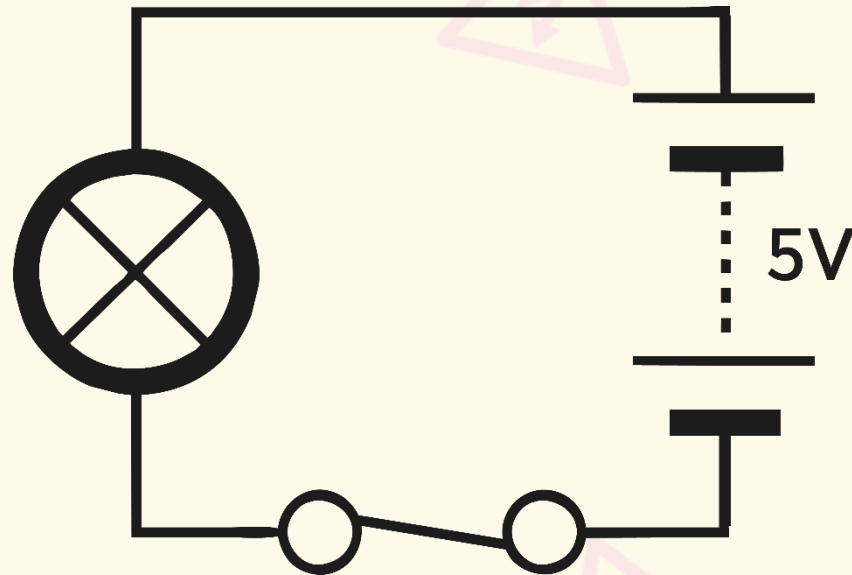
	0V	1.5V	3.0V	4.5V
Prediction				
Results				

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Appropriate Volts

What would happen to an electrical appliance that requires **3V** if it were powered by **5V** cell or battery?



Aim



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Success Criteria

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