



# Year 6 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

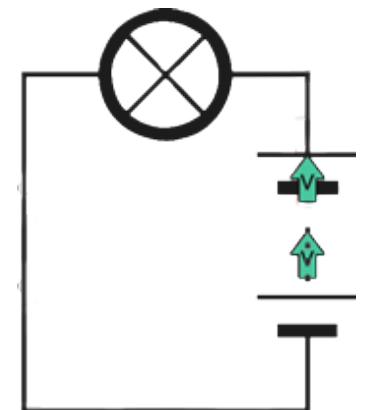
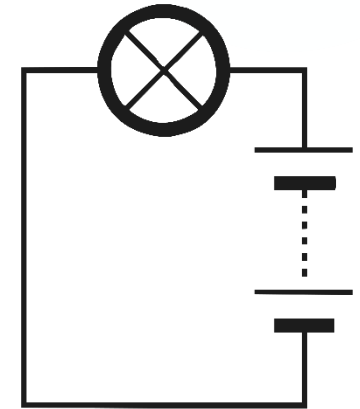
# Current and Voltage

## Current:

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

## Voltage:

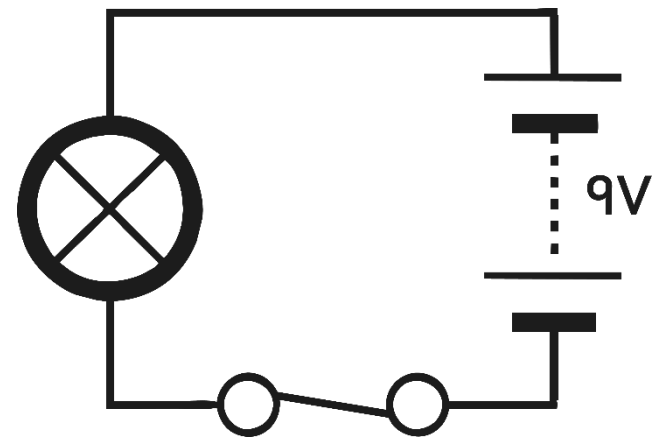
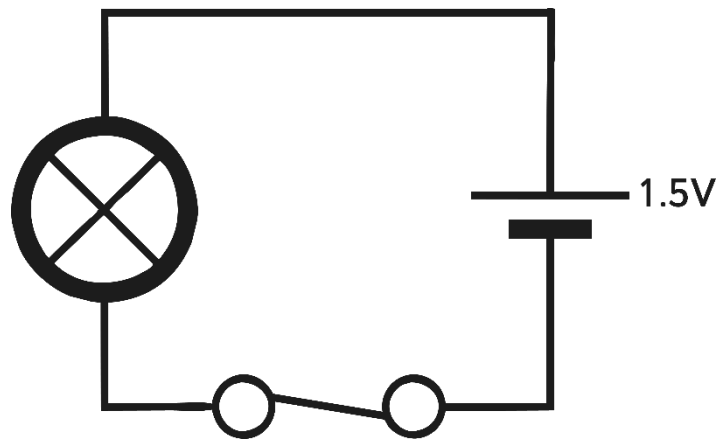
This is the force that makes the electric current flow.  
This is measured in volts (V)  
The greater the voltage, the more current will flow



# How many volts?



# Labelling Volts



# What difference does the volt make?

	0V	1.5V	3.0V	4.5V
Prediction				
Results				



# Appropriate Volts

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

