
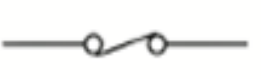

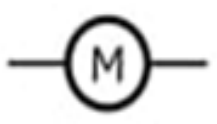





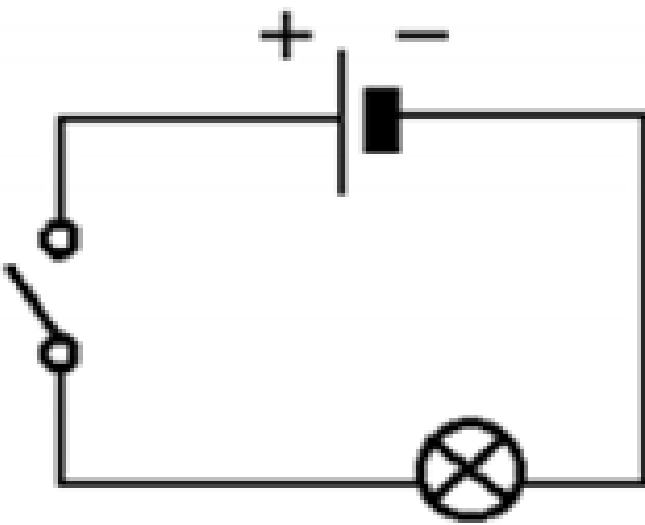
Electricity

| Vocabulary | Definition |
|------------|---|
| buzzer | converts electrical energy to sound. |
| circuit | a set of components that create a complete path for electric current to flow. |
| conductor | a material which electricity can flow through easily. |
| insulator | a material which electricity can not flow through easily. |
| switch | allows current to flow only when it is in the 'closed' position. |
| cell | supplies electrical energy. |
| battery | supplies electrical energy. Made up of more than one cell. |
| motor | converts electrical energy to movement. |
| voltage | electric force which 'pushes' the electric current round the circuit. |
| component | an individual part in an electrical circuit. |

Circuit symbols

| | |
|---|-----------------|
|  | Switch (open) |
|  | Switch (closed) |
|  | Lamp |
|  | Motor |
|  | Buzzer |
|  | Cell |
|  | Battery |

Circuit diagram



Changing the brightness of a bulb or the volume of a buzzer

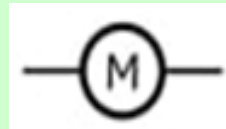
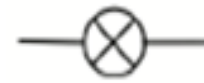
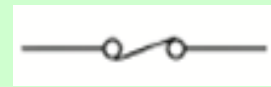
- BRIGHTER and LOUDER
- adding more cells
 - use a battery with a higher voltage
- DIMMER and QUIETER
- adding more bulbs or buzzers
 - using fewer cells
 - use a battery with a lower voltage

Electricity

HOT TASK

| Vocabulary | Definition |
|------------|------------|
| buzzer | |
| circuit | |
| conductor | |
| insulator | |
| switch | |
| cell | |
| battery | |
| motor | |
| voltage | |
| component | |

Circuit symbols



Circuit diagram

Draw a simple circuit, comprised of a cell, bulb, wires and a switch.

Changing the brightness of a bulb or the volume of a buzzer

How can we make a bulb brighter or a buzzer louder? Name **two** things.

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