



Components and circuit symbols

1	wire	A length of metal that carries electricity.		
2	cell	A store of electricity; a battery.		
3	motor	Makes things move.		
4	bulb	A light source.		
5	buzzer	Makes a buzzing sounds.		
6	switch	Switches the connection on or off.		

Reasons why a circuit might not work

1	Not connected properly	
2	Broken/faulty components	
3	Incorrectly placed cells	
4	Flat cell	
5	Switch is off or open	

Vocabulary

1	circuit	A complete and closed path where electricity can flow.
2	component	A part.
3	voltage	Electrical power or pressure.
4	burned out	Components overheat and stop working.
5	flat cell	A battery that is out of power.
6	battery	A battery is a collection of cells and will have a voltage which is a multiple of 1.5.
7	conductor	Materials with electrons which can move easily have very low resistance to the flow of electricity and are electrical conductors.
8	electricity	Electricity (or electrical current) is a flow of electrons (negatively charged particles) which transfers energy.
9	insulator	Materials which do not allow electricity to flow through them are known as electrical insulators.

Bulbs and Buzzers

1	Brighter Louder	More cells Higher voltage
2	Dimmer Quieter	Fewer cells Lower voltage

