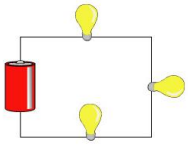
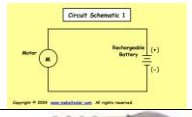
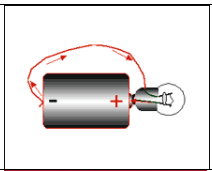
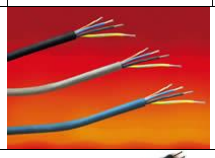
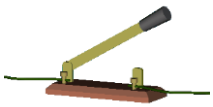
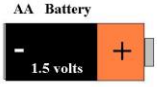
Name

Glossary for Changing Circuits

amps		How much electricity is flowing in a circuit is measured in amps.
appliance		A household device which uses electricity. Cookers and washing machines are electrical devices.
battery		Two or more cells joined together. They provide power (push) which causes electricity to flow in a circuit.
bulb		A devise that changes electrical energy into light. When a current flows through it, the filament heats and glows.
buzzer		A device that changes electrical energy into sound. When a current flows through it, it vibrates.
cell		A device which changes energy stored as chemicals into electrical energy. Two or more cells joined together make a battery.
circuit		Components joined together by wires from one end of a battery to the other end of the battery to make a complete loop. Electricity can flow round the circuit.
circuit symbol		A shape that stands for a component in a circuit diagram.
circuit diagram		A 'map' using symbols to show how the components in a circuit are joined together.
component		Parts that do a job in an electrical circuit (bulb, cell switch, leads, motor, buzzer).
conductors		Materials which allow electricity to flow through them.

current		A flow of electricity around a circuit. It allows appliances to work.
insulators		Materials which do NOT allow electricity to flow through them.
leads		The wires used to join the different parts (components) of an electrical circuit together.
motor		A device that changes electrical energy into movement. When a current flows through it, it spins.
resistance	 	How easy or difficult it is for electricity to flow in a circuit. Thin wire has a high resistance and the more components there are in a series circuit, the higher the resistance will be.
switch		A device used in a circuit. When it is 'off' it stops the electricity flowing. When it is 'on' the circuit is complete
volts		The power of a cell or battery is measured in volts. A cell is 1.5volts.