

Top takeaways:

- identify common appliances that run on electricity
- construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
- identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery
- recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
- recognise some common conductors and insulators, and associate metals with being good conductors

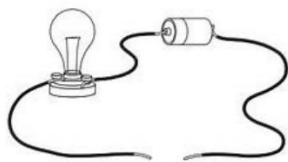
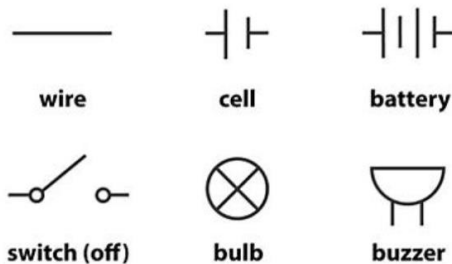
Typical electrical appliances and devices which require different electrical power: battery, mains, and both battery and mains, for example...



A simple electrical circuit:

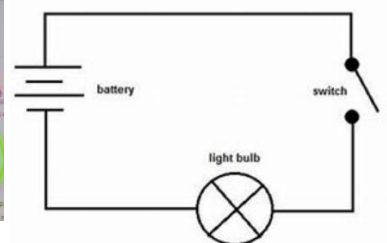
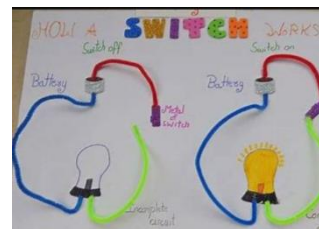


Naming the basic parts of a circuit:

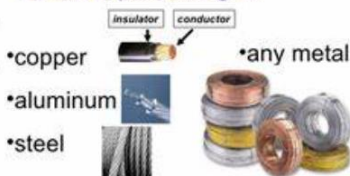


Complete and incomplete circuits:

Switches:



Conductor –
Any material that allows electric current to pass through it



Insulator –
Any material that does not allow electric current to pass through it
•like the protective coating on wires



We will investigate what make electrical conductors and what are insulators...