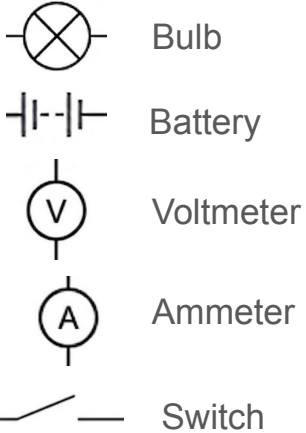
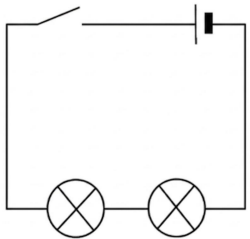


Yr7 Series and parallel circuits knowledge organiser

Circuit symbols

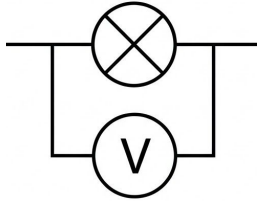


Example circuit

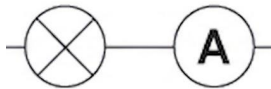


Measuring

Voltmeters measure potential difference. You connect a voltmeter in parallel.

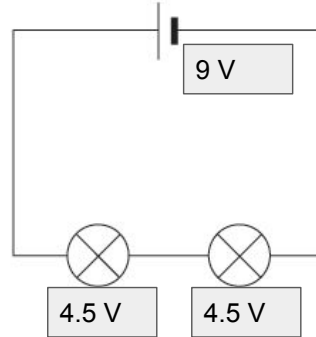


Ammeters measure current. You connect an ammeter in series.

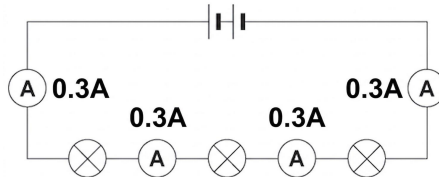


Series circuits

The potential difference from the battery is shared between the components.



The current is the same at all points.

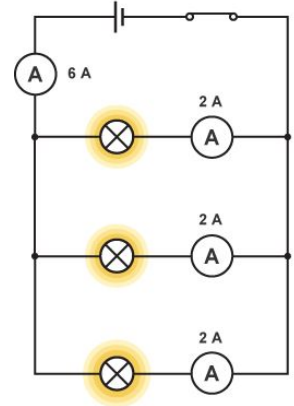


Parallel circuits

The current in a parallel circuit splits at junctions.

*Example
6A from the battery*

2A flows through each of the three bulbs.



The potential difference across each branch is the same as the battery.

*Example
Each branch gets 5V. This is the same as the battery.*

