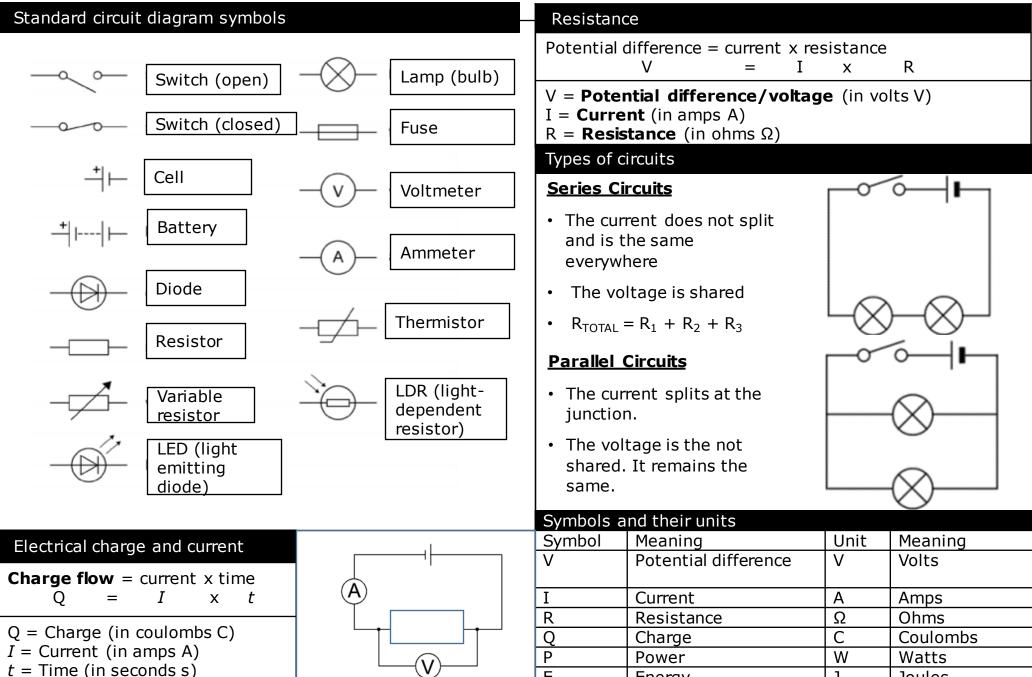
## Physics Topic P4: Electric Circuits.

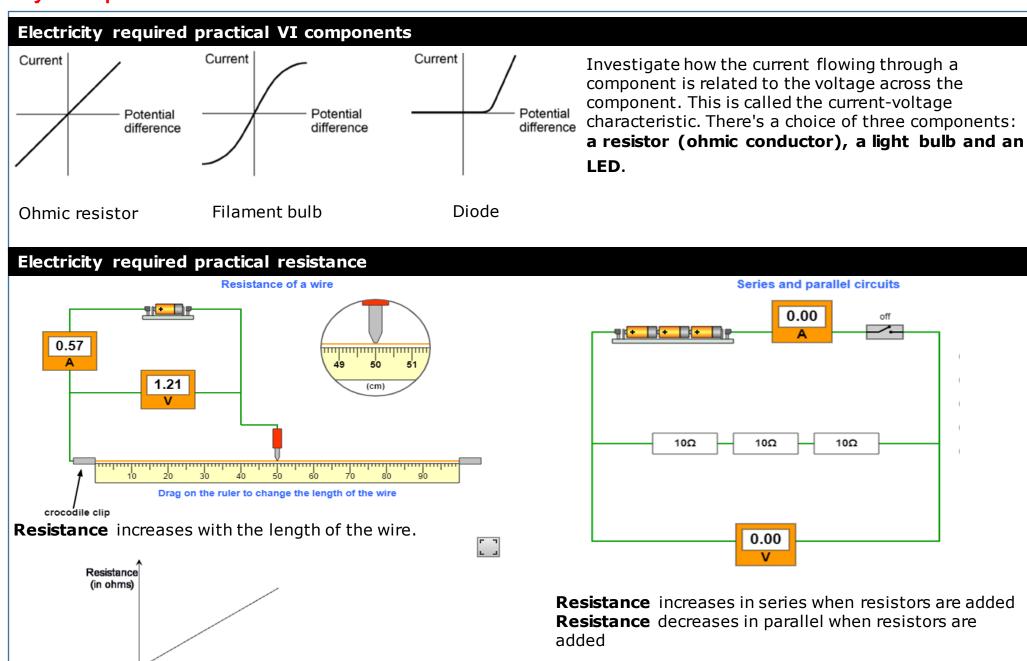


Energy

Joules

## **Physics Topic P4: Electric Circuits**

Length of wire (in metres)



## Physics Topic P4: Electric Circuits - Triple content

Static electricity keywords (TRIPLE ONLY)		Electrostatic force rules (TRIPLE ONLY)		
Insulator	Material which holds electrical charge and does not conduct it	Charges	Force	Diagram
Friction	Force which transfers electrons from one insulator to the other	- and -	repel	(a)
Electrons	Negatively charged particles in atoms. They are the only charges that can move	+ and -	attract	(b)
Electrostatic force	The force between two charges	. i dild	active	(8)
Van der Graaff generator	Machine used to generate static electricity	+ and +	repel	(a) But with positive charges
electrons gained by rod  by rod  the	electrons gained by cloth  Figure 3 The electric field near a charged sphere	positively		