

## YEAR 4 - ELECTRICITY

Related	Definition				
vocabulary					
electricity	a form of energy that can be carried by wires and is used for				
	heating and lighting, and to provide power for devices.				
insulators	a non-conductor of electricity or heat				
conductors	a substance that heat or electricity can pass through or along				
appliances	a device or machine in your home that you use to do a job such a				
	cleaning or cooking. Appliances are often electrical.				
battery	A device consisting of one or more cells				
component	the parts that something is made of				
current	a flow of electricity through a wire or circuit				
energy	the power from sources such as electricity that makes machine				
	work or provides heat				
cell	a synonym for battery				
mains	where the supply of water, electricity, or How does a gas enters a building				
electric circuit	A complete path that an electric current can flow around. It flows				
	from the battery, through wires and devices before returning to				
	the battery. If the circuit is not complete the electric current cannot flow				

## **Conductors and insulators**

	<b>Good Conductors</b> allow energy to pass through	<b>Insulators</b> stop or slow down energy		
Electrical	Metals e.g. copper, silver, gold, iron, steel, aluminum tap water	rubber distilled water wood plastic fabric glass paper cotton		
Thermal	Metals e.g. copper, silver, gold, iron, steel, aluminum	plastic wood rubber fabric polystyrene		



Some appliances use batteries and some use mains electricity. Batteries can vary greatly in size, shape and power.



