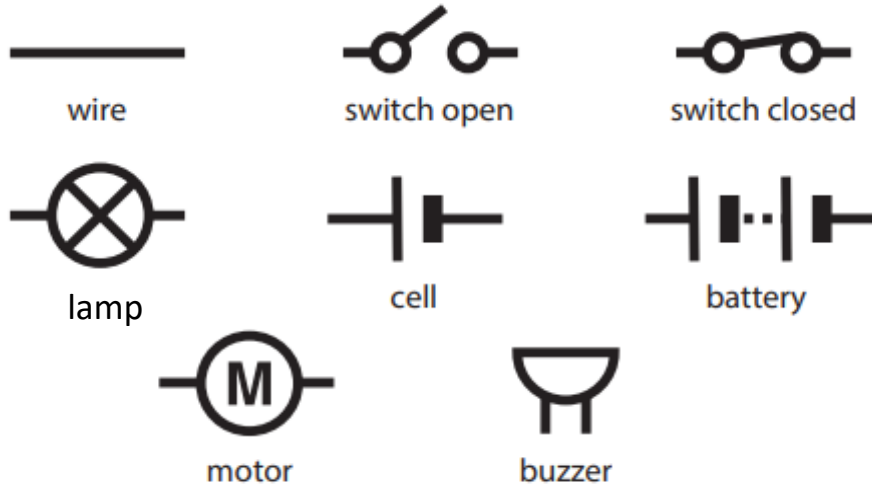


Electricity Knowledge Organiser - Owl

Subject Specific Vocabulary		Electrical symbols	
conductor	Some materials let electricity pass through them easily. These materials are known as electrical conductors.		
insulator	Plastic, wood, glass and rubber are good electrical insulators. They do not allow electricity to pass through		
electrons	Electricity is made up of negatively charged particles called electrons.		
series circuits	A series circuit is one that has more than one resistor, but only one path through which the electricity (electrons) flows.		
cell	A cell is a device that generates electricity, supplying power to a circuit.		
battery	A series of cells joined together		
component	Something that makes up part of an electrical circuit, such as a buzzer or wire.	Important facts to know by the end of the electricity topic:	<ul style="list-style-type: none"> A circuit must be complete for electricity to flow around it.
fuse	A safety device that will melt and make a break in a circuit if there is too much electricity.	<ul style="list-style-type: none"> Know that the brightness of a bulb is associated with the voltage. Compare and give reasons for variations in how components function. Use recognised symbols when representing a simple circuit in a diagram. Construct simple series circuits. Be able to answer questions about what happens when they try different components, for example; switches, bulbs, buzzers and motors. 	<ul style="list-style-type: none"> Electricity will not travel from positive to positive or negative to negative.
Thomas Edison	He was an inventor that came up with a way of making the electric light bulb accessible for homes, industry and outside in the streets. He also invented more than 2000 new products, including almost everything needed for us to use electricity in our homes: switches, fuses, sockets and meters		<ul style="list-style-type: none"> Electricity travels at the speed of light – more than 300,000 km/second! Electricity is a type of energy that builds up in one place (static), or flows from one place to another (current electricity).