Y4 Science Knowledge Organiser – Electricity

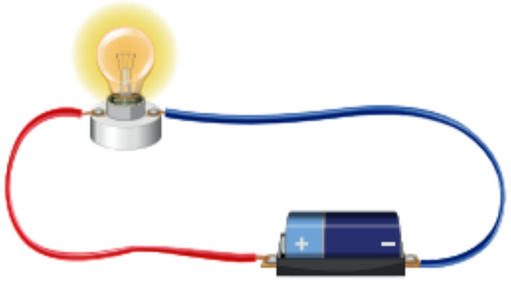
Vocabulary

appliance	An electrical item for a particular purpose i.e. a fridge
cell	A portable store of energy
electrocuted	To be injured or killed by electricity
plug	A device put into a socket to connect to an electrical circuit
Socket	The part of the electrical circuit where the plug fits in to to make a connection.
Conductor	A material that DOES allow an electrical current to go
Insulator	A material that does NOT allow an electrical current
Material	Something of which an object is made from.



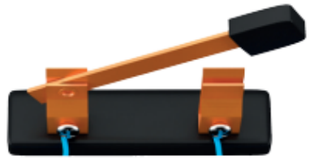


Circuit — A closed path that energy can Flow through



Components

- **switch** – a device that opens and closes an electrical circuit



- **battery** – two or more cells joined together to store more energy

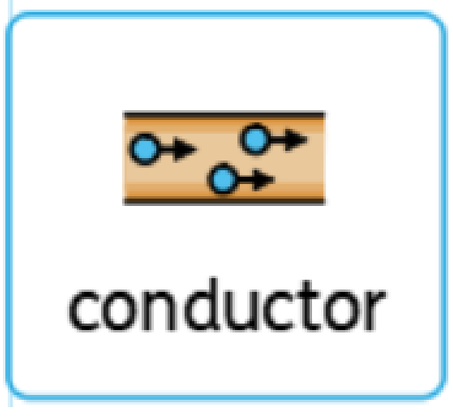


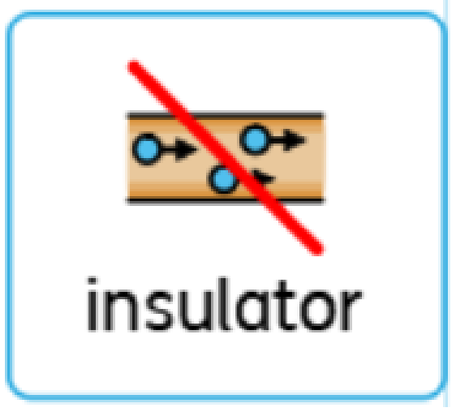
- **buzzer** – a device that makes a sound











SAFETY —

1. Electricity can be extremely harmful
2. Liquids and wet hands should be kept away from electrical appliances and circuits!