

# Electricity (Y4)

## Important People

### Joseph Swan (1828-1914)

- Changed the design of the **light bulb** so that it could **glow for longer**.
- Designed it **a year before Thomas Edison**.



## Big Ws

### battery



### plug and socket



## Big Ws: Conductors and Insulators

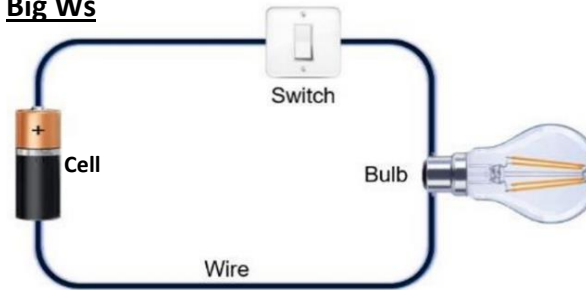
### Conductors



### Insulators

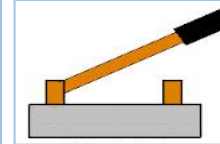


## Big Ws



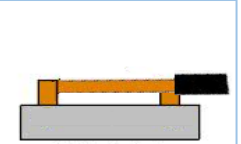
## Big Ws: Switches

### open switch



- **Breaks the circuit.**
- **Electricity cannot flow through it.**

### closed switch



- **Makes a continuous path for the electricity to flow.**

## Vocabulary

appliance	bulb	buzzer	cell	circuit	components	conductor	insulator	switch	wire
Machine. <b>Electrical appliances</b> are <b>powered by electricity</b> .	<b>Glass</b> part of an electric lamp which gives out <b>light</b> .	Component that <b>makes a sound</b> .	Used for <b>generating current and power</b> .	A complete and closed path for <b>electricity to flow</b> .	One of the <b>parts of a circuit</b> .	Material that <b>electricity flows easily through</b> .	Material that <b>electricity doesn't flow through</b> .	<b>Breaks the current</b> in a circuit.	Used to <b>carry electricity</b> .