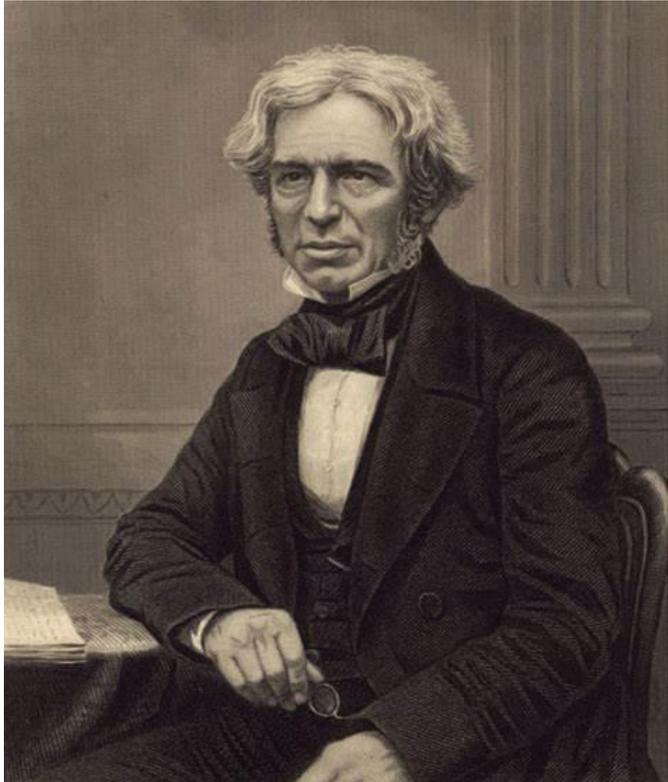


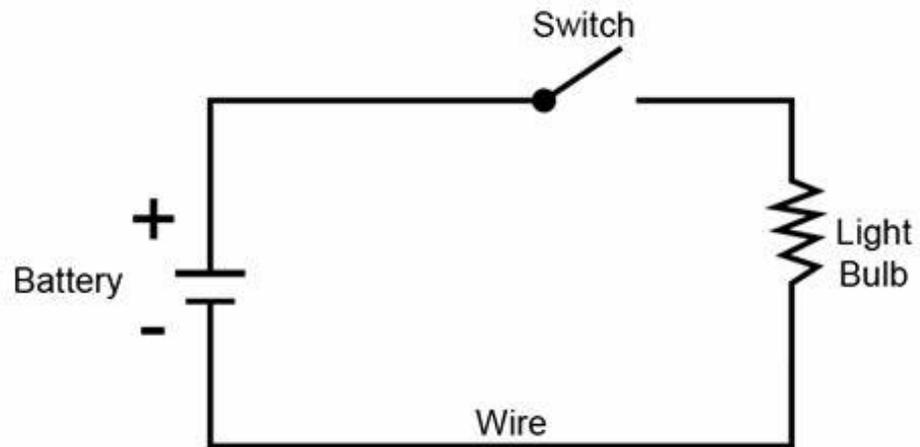
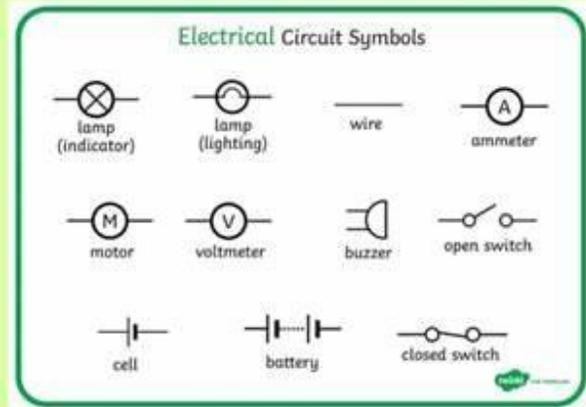
ALL ABOUT MICHAEL FARADAY



- He was born in 1791 just outside of London.
- He used to work in a book shop.
- He discovered electricity in 1831.
- He died in 1867 25 August.

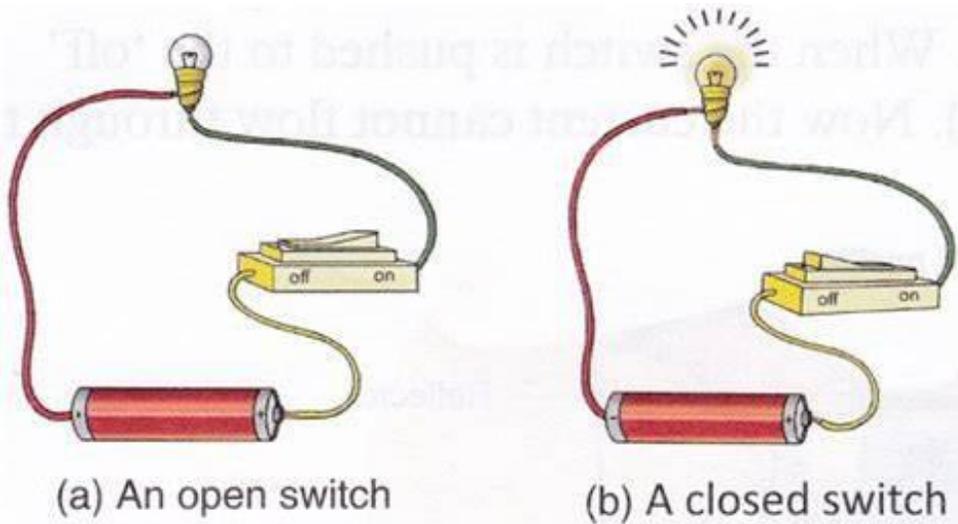
Faraday decided to use one side of the ring as his magnet and the other side as his “tester” to see if he could create current without directly connecting to a battery. He put a compass under the tester wire to see if it had any current.

SYMBOLS AND HOW A CIRCUIT IS BUILT



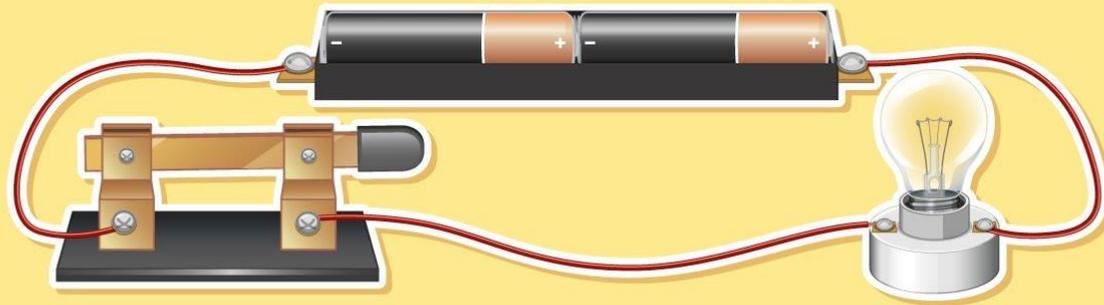
These are the symbols for electricity. You might want to remember these because we will do a quiz at the end. The bottom picture shows how a circuit is built.

HOW A SWITCH WORKS



- Closing the switch makes a complete loop so that electricity can flow
- Opening the switch breaks the loop so that no electricity flows
- Below is a link to a short video explaining how a switch works
- <https://www.bbc.co.uk/bitesize/articles/zqgfp4j#zj888hv>

Adding Batteries in Series - Brightness of Bulbs



HOW THE BATTERIES AFFECT THE BRIGHTNESS

- On the other hand, the more batteries an electrical system has, the brighter the bulb becomes because more batteries provide more electrical power to the circuit and the bulbs. Note that too many batteries will overheat and make the bulb fuse instead.

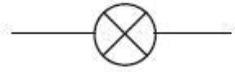


- <https://www.bbc.co.uk/bitesize/articles/zxv482p> Some materials let electricity pass through them easily. These materials are known as electrical conductors.
- Many metals, such as copper, iron and steel, are good electrical conductors. That is why the parts of electrical objects that need to let electricity pass through are always made of metal.
- Metal is used in plugs to allow electricity to transfer from the wall socket, through the plug, and into a device such as a radio or TV.
- In a light bulb, the metal filament conducts electricity and causes the light bulb to light up.

Name: _____

Electrical Symbols

Name the electrical symbols.

Symbol	Component
	
	
	
	
	
	
	

QUIZ

- What are these symbols.
- What are 2 conductors.
- Do more batteries make the light bulbs brighter.
- When was Michal Faraday born.