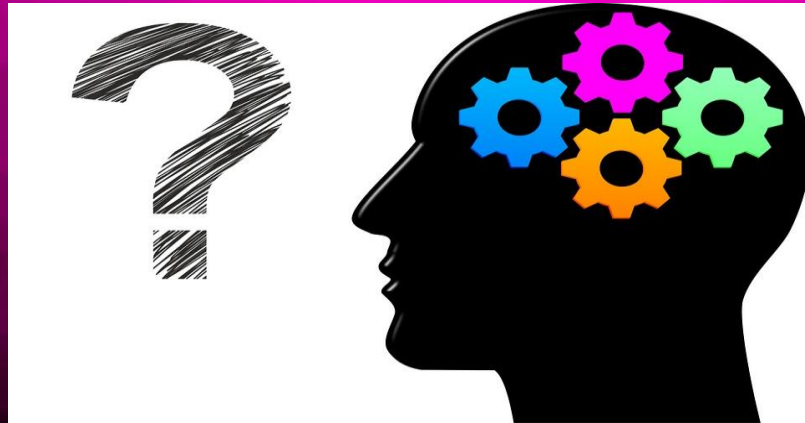


ELECTRICITY EXPERIMENT

By Niamh and Sara – 5th Class



THIS EXPERIMENT IS HOW WE
CAN LIGHT THE MINI LIGHT
BULB BY USING A BATTERY PACK!!





THE EXPERIMENT !!

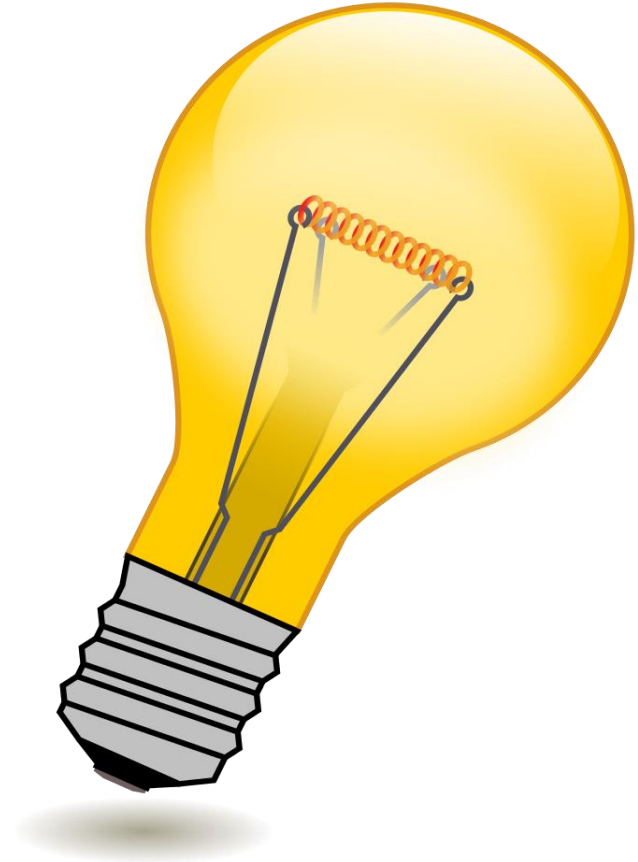


Things you'll need

1. 1x battery pack
 2. 4x crocodile clips
 3. 1x knife switch
 4. 1x mini light bulb
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THE EXPERIMENT

1. Put 2 of the crocodile clips onto the sides of the battery pack.
2. Put the same 2 to one side of the knife switch.
3. Connect the other 2 crocodile clips to the sides of the knife switch.
4. Then connect the crocodile clips that are on the side of the knife switch onto the 2 sides of the mini light bulb then switch the knife switch to turn on or off .

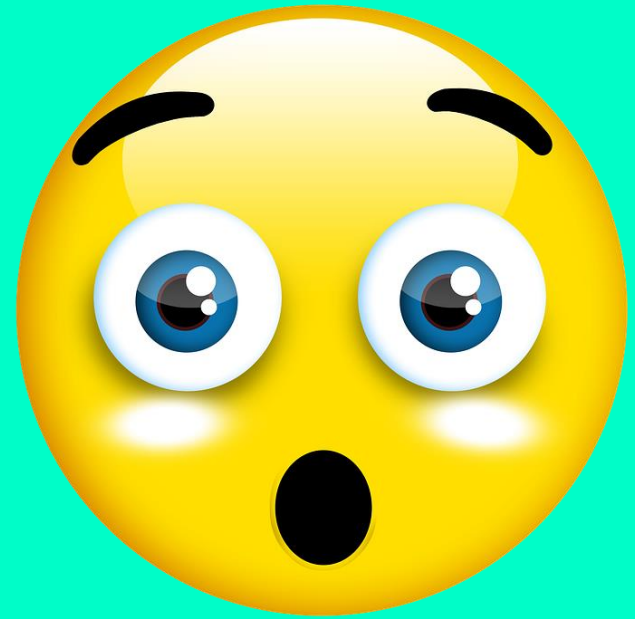




WHAT HAPPENS NEXT

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Now what should happen is the light bulb should light up when we switch the switch !!!



THE SCIENCE BEHIND IT !!

The circuit which is the the battery pack flows electricity from it through the wires.

Then those wires bring the electric wave to the next circuit which is the knife switch

Then the wires that are on the side of the knife switch brings the electric wave to the light bulb then when we switch the switch to off it breaks of the circuit then when we turn it on the circuit goes back together so it can flow again



Facts about the light bulb

1. The light bulb was invented by Thomas Edison in 1875 .

2. The incandescent **light bulb** turns electricity into **light** by sending the **electric** current through a thin wire called a filament. Filaments are made up mostly of tungsten, a metal. The resistance of the filament heats the **bulb** up. Eventually the filament gets so hot that it glows, producing **light**.

3. Unfortunately, gas produced a flickering **light** that burned down theaters and homes worldwide. Electric arc lighting, invented in 1809, was much safer but far too bright for use in a small area. A smaller **light** was needed, and in 1880 Thomas Edison patented the first commercially viable incandescent **light bulb**.

We hope you enjoy!!!!

Thank you for listening

