LO: to explore how to make a bulb brighter.

Knowledge organiser:

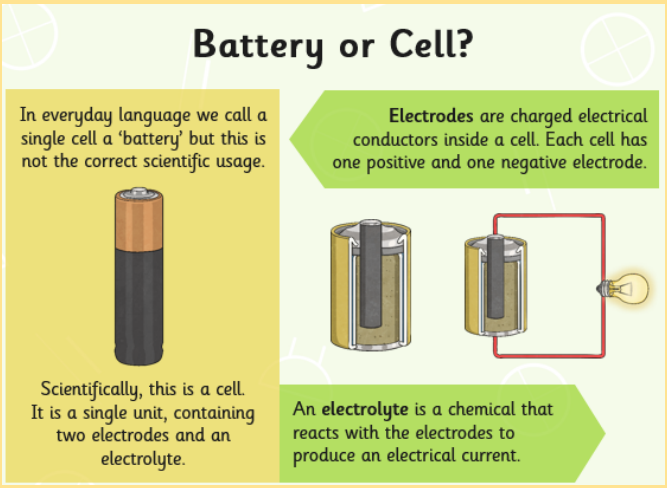
Stick in the cardboard wallet (front of your book)

Look through the knowledge organiser - what do we know? What have we got to find out?

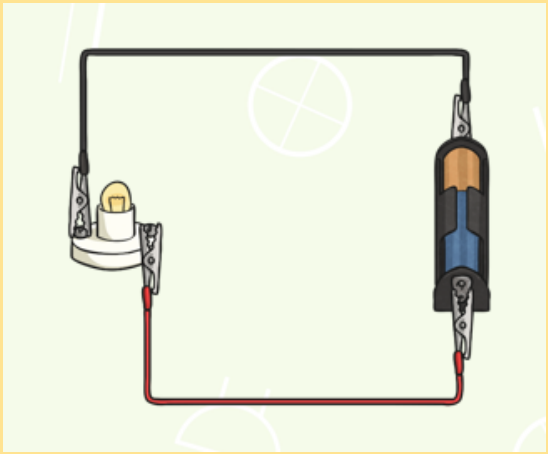
LO: to explore how to make a bulb brighter.

Starter:

WE DO



Write a short summary explaining what the difference is between a cell and a battery.



LO: to explore how to make a bulb brighter.

Starter:

You do

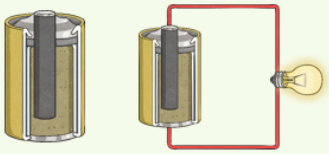
Battery or Cell?

In everyday language we call a single cell a 'battery' but this is not the correct scientific usage.



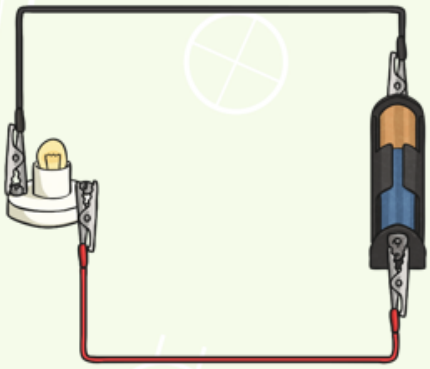
Scientifically, this is a cell. It is a single unit, containing two electrodes and an electrolyte.

Electrodes are charged electrical conductors inside a cell. Each cell has one positive and one negative electrode.

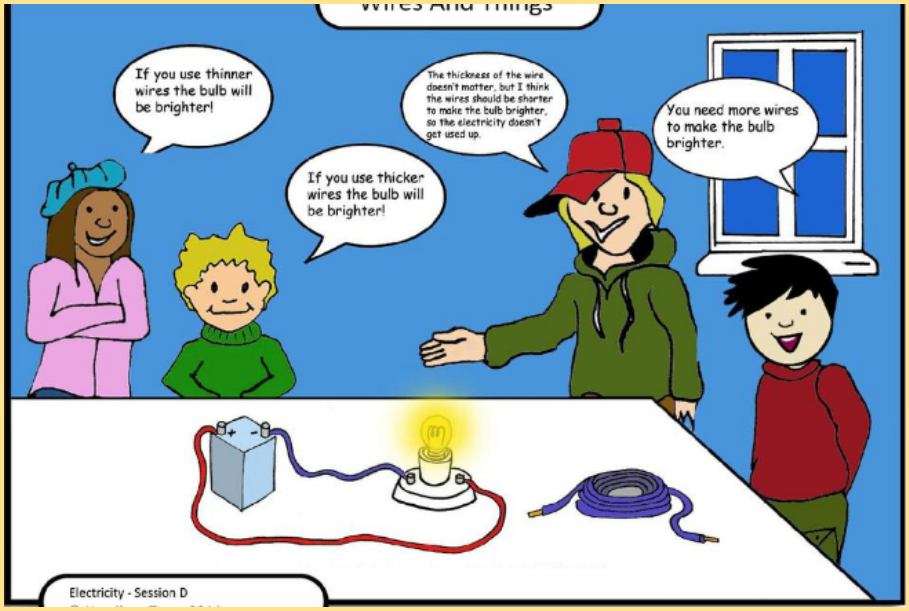


An **electrolyte** is a chemical that reacts with the electrodes to produce an electrical current.

Write a short summary explaining what the difference is between a cell and a battery.



LO: to explore how to make a bulb brighter.



What do you think?

LO: to explore how many batteries makes a brighter bulb.

We do

Fair Test

Does the thickness of wire affect the brightness of the bulb?
Does a longer wire make the bulb brighter?
Do more bulbs affect the brightness?
Do more batteries affect the brightness?



LO: to explore how many batteries makes a brighter bulb.

Fair Test

Share our discussions

Does the thickness of wire affect the brightness of the bulb?
Does a longer wire make the bulb brighter?
Do more bulbs affect the brightness?
Do more batteries affect the brightness?



Fair Test

LO: to explore how many batteries makes a brighter bulb.

Does the thickness of wire affect the brightness of the bulb?
Does a longer wire make the bulb brighter?
Do more bulbs affect the brightness?
Do more batteries affect the brightness?



I do:

Prediction

Fair Test

LO: to explore how many batteries makes a brighter bulb.

Does the thickness of wire affect the brightness of the bulb?
Does a longer wire make the bulb brighter?
Do more bulbs affect the brightness?
Do more batteries affect the brightness?



We do:

Prediction

Fair Test

LO: to explore how many batteries makes a brighter bulb.

Does the thickness of wire affect the brightness of the bulb?
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You do:

Prediction