

Fast 5

What is a conductor of electricity?

What is an insulator of electricity?

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What is a conductor of electricity?

A conductor is a material that allows electricity to flow through it, such as metal.

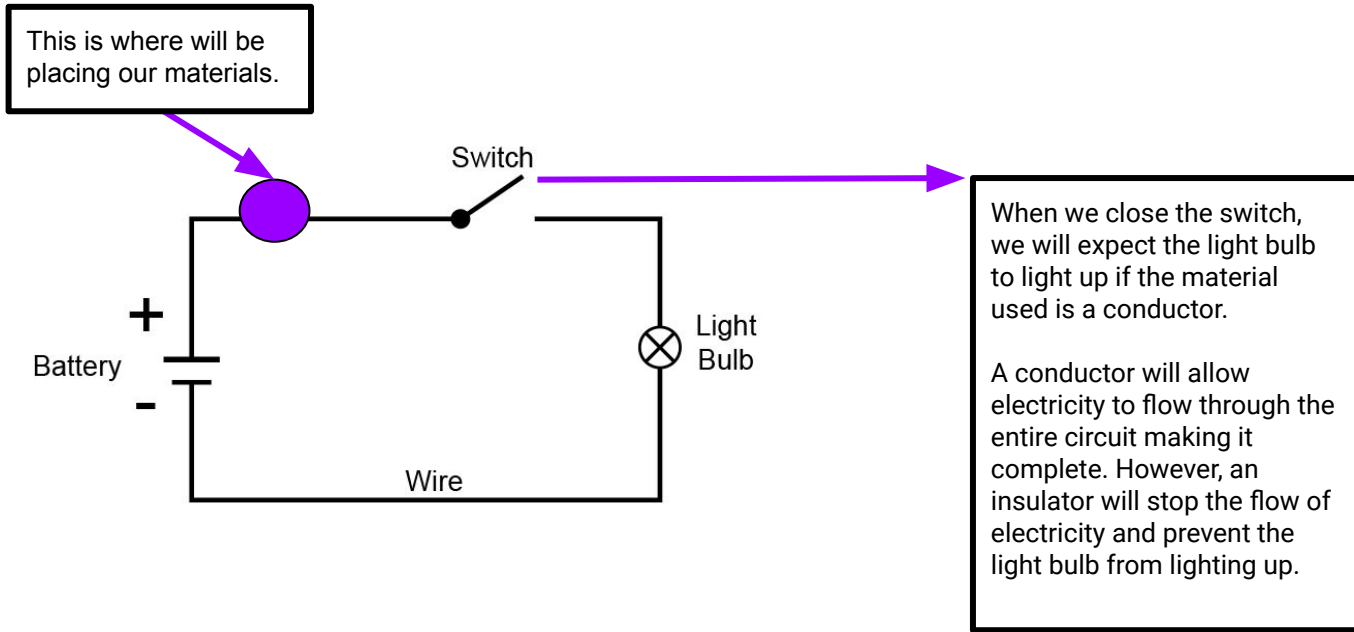
What is an insulator of electricity?

An insulator is a material that does not allow electricity to flow through it, such as wood or glass.

Can I write and record the
results of an experiment?

In our last lesson, we conducted an experiment to find out which materials from a given list were insulators and conductors of electricity.

Today, we're going to discuss the experiment and our results before writing up a copy of what happened and the results.



This was the layout of the experiment. As a group, discuss your findings and why some materials allowed the circuit to be complete and why others didn't.

How to record an experiment

When recording an experiment, there are several areas we need to focus on:

- Aim - What are you hoping to find out?
- Hypothesis - What do you think will happen?
- Equipment - What do you need to conduct the experiment?
- Method - How did you conduct the experiment?
- Results - What did you find out?

What was the aim of the experiment?

Aim

The aim of this experiment was to discover which objects from a given set were conductors of electricity and which were insulators.

You will need your results from the previous lesson before recording your experiment.

https://phet.colorado.edu/sims/html/circuit-construction-kit-dc/latest/circuit-construction-kit-dc_en.html

Red

Aim - What are you hoping to find out?	The aim of this experiment was to discover which objects from a given set were conductors of electricity and which were insulators.
Hypothesis - What do you think will happen?	
Equipment - What do you need to conduct the experiment?	
Method - How did you conduct the experiment?	1. 2. 3. 4. 5.
Result - What did you find out?	

Yellow

Aim - What are you hoping to find out?	
Hypothesis - What do you think will happen?	
Equipment - What do you need to conduct the experiment?	
Method - How did you conduct the experiment?	
Result - What did you find out?	

Green

In the “method” section, draw an accurate circuit diagram of what the experiment looked like with one of the given materials.

Aim	
Hypothesis	
Equipment	
Method	
Result	