

Project One: Science

To know that circuits need to be complete to work.

For this project we will be looking at what we know about electricity.

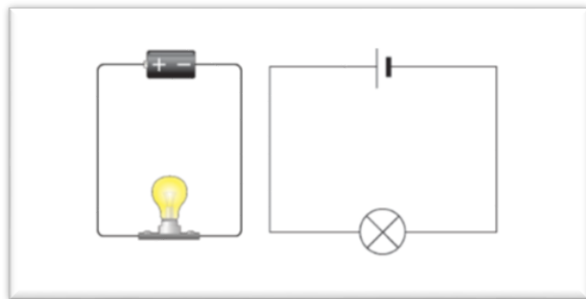
To start: from where you are sat identify four different items which require electricity to work. Consider what needs to happen for them to turn on and off.

Part One: Watch the clip: <https://www.bbc.co.uk/bitesize/clips/zq3fb9q>

Based on the clip you have just watched, and using the below images as examples, draw and label two circuits:

- One which shows a circuit with a switch where the lamp lights and;
- One which shows a circuit with a switch where the lamp does not light.

Then, using the light switch in your room as a real-life example, describe what happens when you turn it on and off.

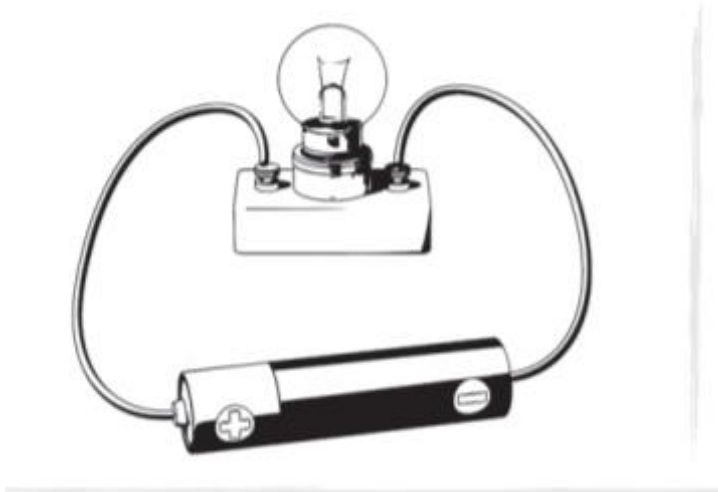
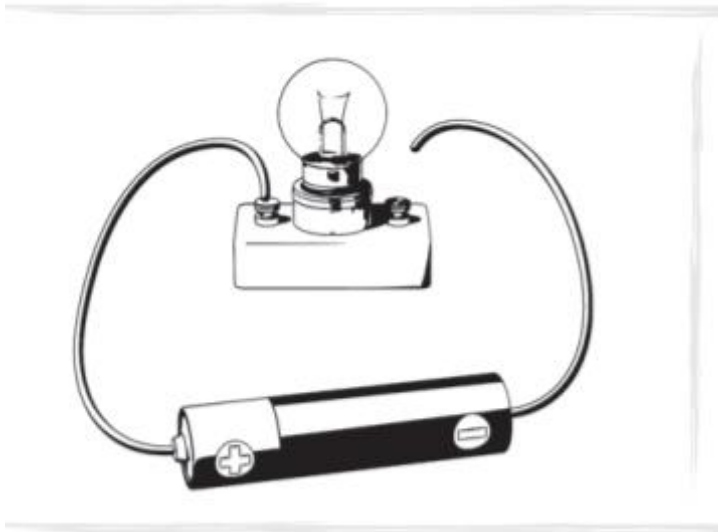


Using the following link complete the online circuit so it works.

<https://www.bbc.co.uk/bitesize/topics/zq99q6f/articles/zt8vg82>

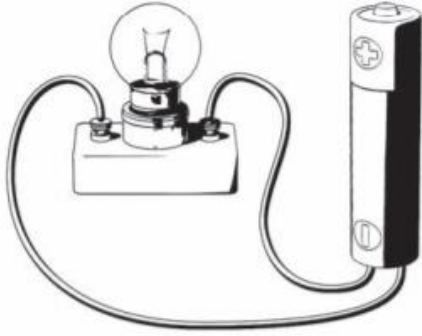
Part Two: For each of the circuits below decide if it will work or not. If it will not work, draw a circle around the error and explain (or draw) what need to happen to ensure the bulb lights.

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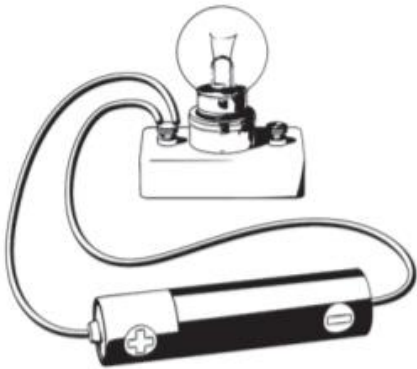


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