

Max's Brilliant Battery Circuits

Learning objective: To understand how to build a simple electrical circuit using a battery, a bulb, and wires.

Max the monkey is helping us learn about electricity! Look at the parts below. Answer the questions to help Max light up his bulb. Use the word bank to help you.

Word bank: battery · bulb · wire · switch · circuit · energy

1. Max needs to power his light. What part provides the energy for the circuit? Write your answer below. (1 mark)

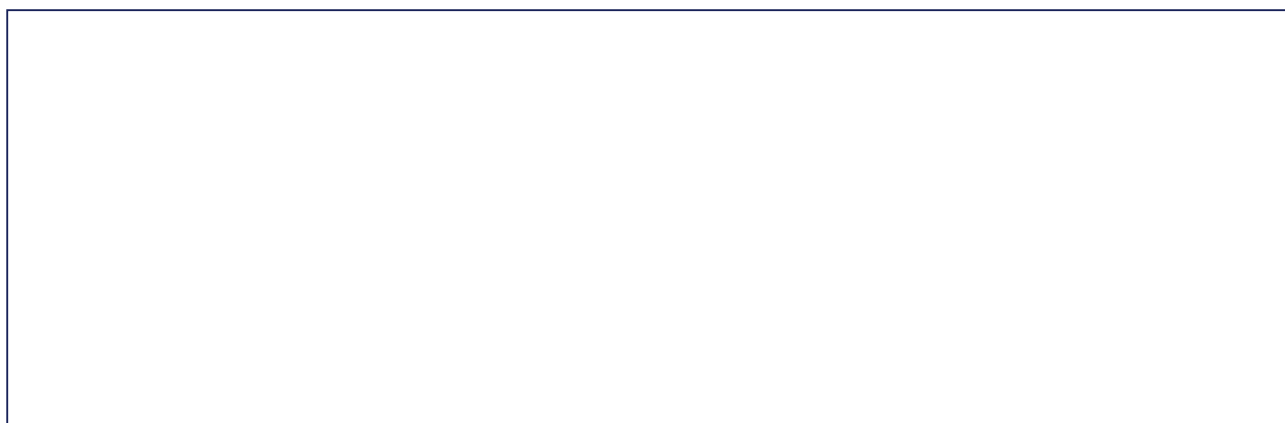
2. Look at the list of parts. Which part do we use to connect the battery to the bulb so the electricity can travel? (1 mark)

3. What do we call the complete path that the electricity travels along? (1 mark)

4. If we want to turn the light on and off without taking the wires apart, what component should we add to the circuit? (1 mark)

5. Max has a bulb that will not light up. Give one reason why this might happen. (2 marks)

Draw: In the box below, draw a simple circuit. Include one battery, one bulb, and one switch, all joined together by wires.



Extension challenge: Max wants to add a second bulb to his circuit. Do you think the bulbs will be as bright as they were with only one bulb? Why do you think that?