

Make your own!

Switches and building electrical circuits

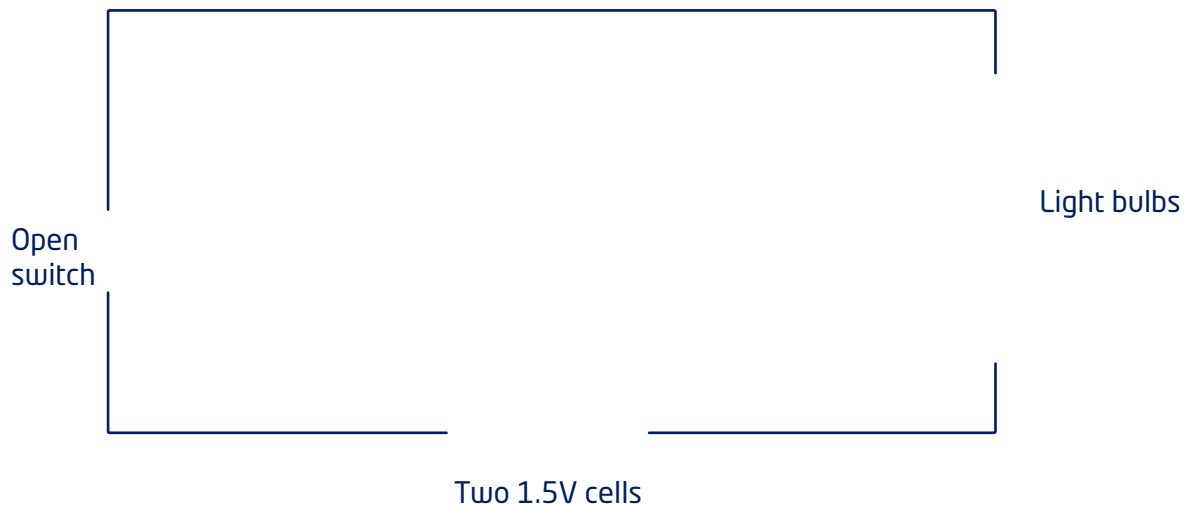
Lesson 4: Worksheet 2

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Series and parallel circuits

1a. Make a circuit with three light bulbs in series, by connecting them one after another as shown in the diagram below. Draw the circuit you have created, using the electrical symbols to fill in the gaps.



1b. What happens to the light bulbs when you close the switch?

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1c. What happens if you unscrew one of the bulbs?

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1d. Can you say why this happens?

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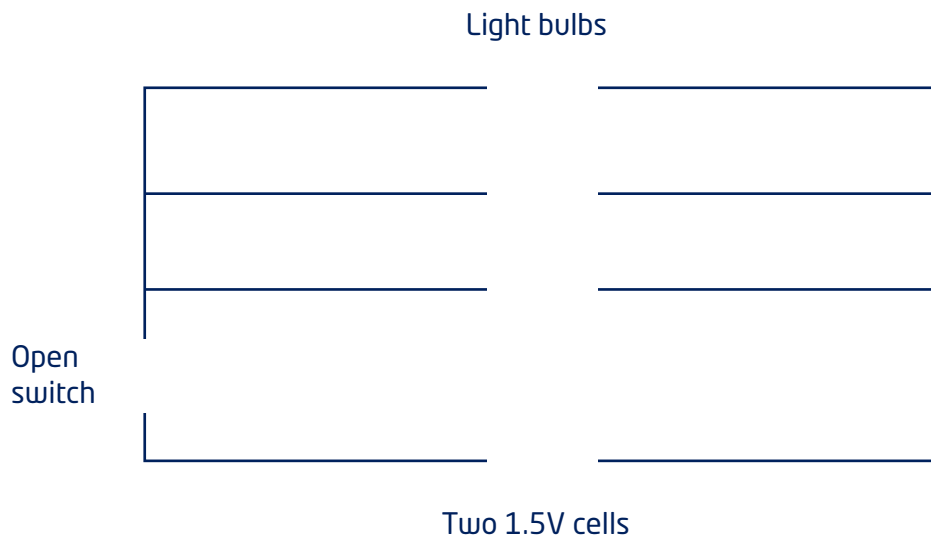
Lesson 4: Worksheet 2

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Series and parallel circuits

2a. Connect the light bulbs by connecting them alongside one another as in the circuit diagram (a parallel circuit). Draw the circuit you have created, using the electrical symbols to fill in the gaps.



2b. What happens to the light bulbs when you close the switch?

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2c. What happens if you unscrew one of the bulbs?

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2d. Can you say why this happens?

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2e. Which circuit would you use for the light bulbs in your house: a series or a parallel circuit? Why?

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