L.O To know how to represent a circuit and its components in diagrammatic form

HOM: Thinking and Communicating with Clarity and Precision

Watch this clip, make notes.

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

NOTES:

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The difference between a cell and a battery: a cell produces electric energy from chemical energy; a battery is made up of several cells

Why do you think that scientists developed symbols for components instead of just drawing pictures of them?

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Universal symbols mean that all scientists and engineers around the world represent each component the same way, so they can always be recognised, and they are also quicker to draw than actual pictures.

Now go to this link:

<https://www.bbc.co.uk/bitesize/topics/zq99q6f/articles/zs7g4j6>

On this page there is 1 clip and three activities to do.



Watch clip 1

Match the symbol to the component

Match the symbol to the component

Complete the circuit diagram

Complete the table below with the correct symbol:

|  |  |
| --- | --- |
| cell |  |
| battery |  |
| motor  |  |
| bulb |  |
| Open switch  |  |
| Closed Switch |  |
| Resistor  |  |
| Variable resistor  |  |

