

Year 4 Science

Electricity- Monday



Quick Quiz

1. Draw the circuit symbol for a bulb.
2. Draw a circuit diagram that shows a battery, wires and a motor.
3. Why will a bulb in a circuit not light without a battery?

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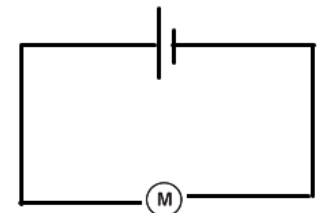
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Quick Quiz

1. Draw the circuit symbol for a bulb.
2. Draw a circuit diagram that shows a battery, wires and a motor.
3. Why will a bulb in a circuit not light without a battery?

The battery is the power source.



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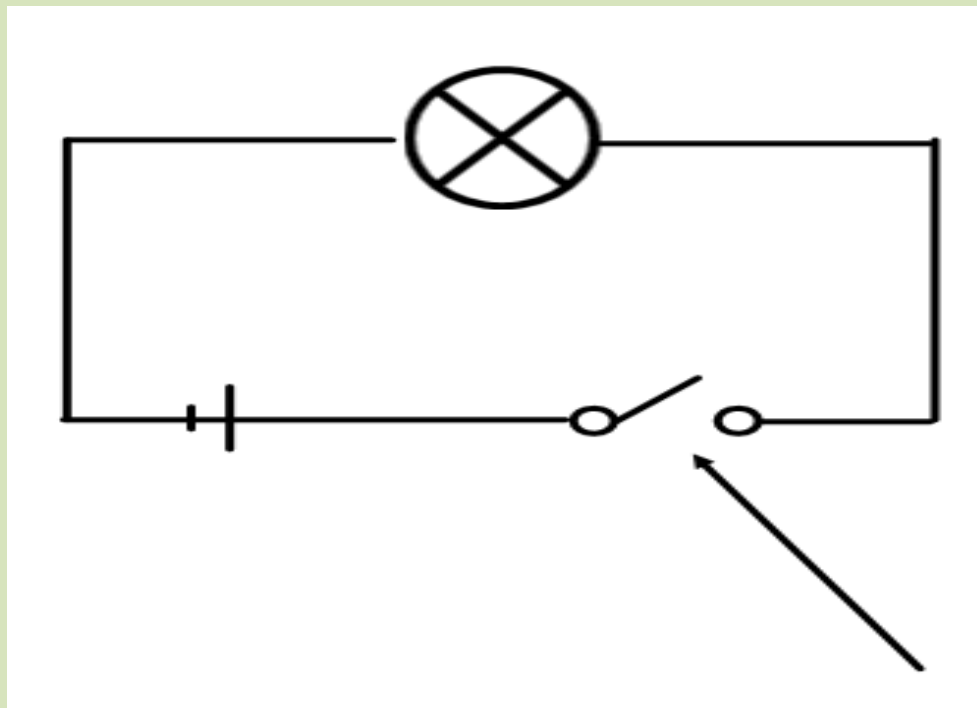


Re-cap

What have you learnt about circuits and electricity so far?

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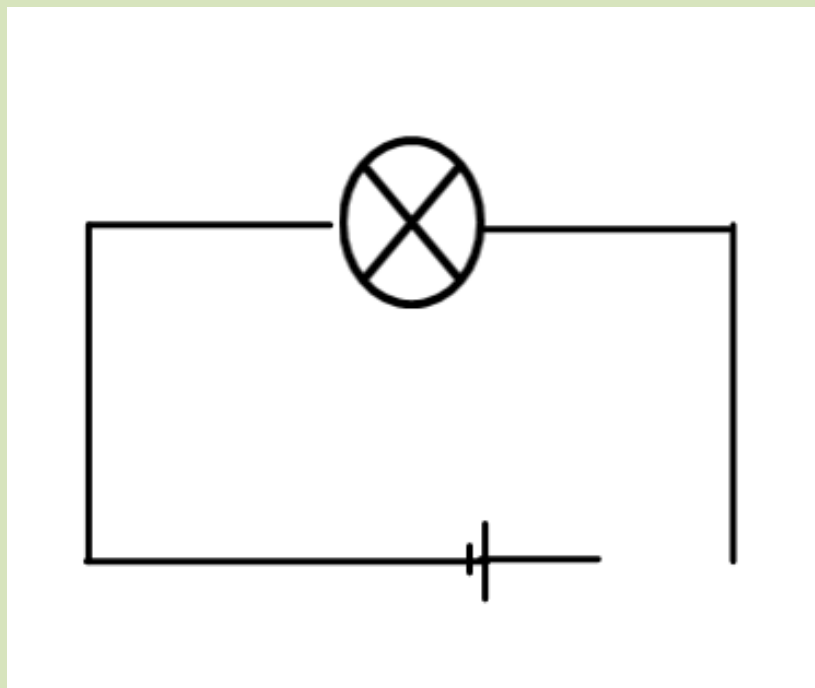
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What is this component?
What does it do?

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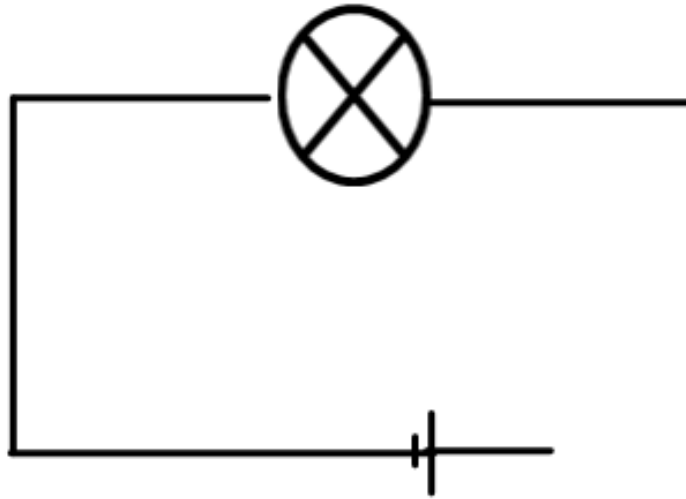
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Will this circuit work?
How could you fix it?

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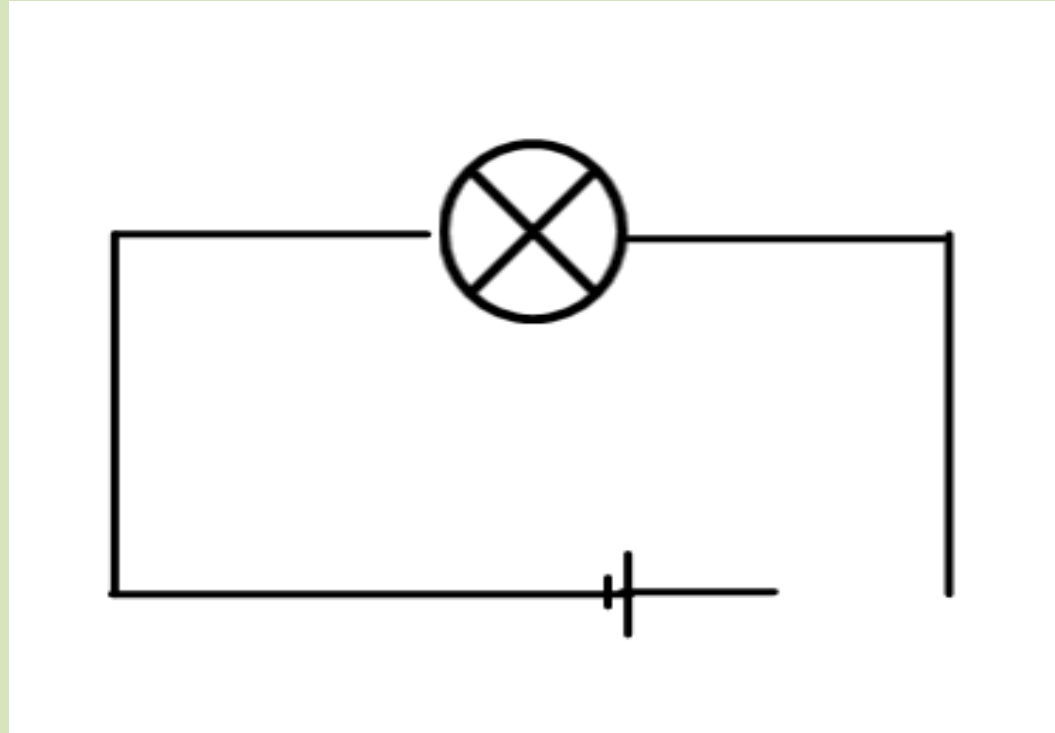
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If we had no more equipment and we couldn't get the wires to touch, how could we complete this circuit?

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What everyday objects do you think we could use to complete the circuit?

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This week, we will be learning to understand and identify electrical conductors and insulators.

What do you think these terms mean?

Insulator=

Conductor=

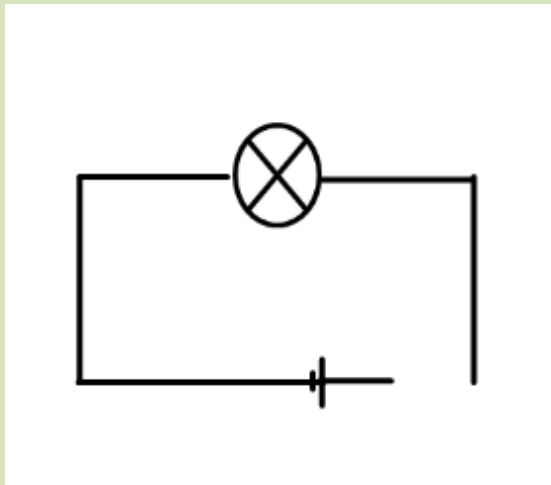
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Insulator= Any material that does not allow electric current to pass through it

Conductor= Any material that does allow electric current to pass through it (These have to be metal)



Will we need to add a conductor or an insulator to complete our circuit?

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LO: To identify electrical conductors

Task

Your task today is to **imagine (You don't need any electricity to do this task)** that you have an incomplete electrical circuit. You are going to look around your house to find objects that would work as electrical conductors that could complete the circuit.

What materials conduct electricity?