

Nova's Electricity Discovery Flashcards

Learning objective: To identify common appliances that run on electricity and understand the components of a simple circuit.

Use these flashcards to test your knowledge of electricity! Read the question on the front, think of the answer, and then check the back to see if you are right. Nova the owl wants to see how many you can get correct!

What do we call a path that electricity flows through?	Nova wants to turn a light off without taking the wires apart. What should she add to the circuit?
A circuit.	A switch.
What is the name of a device, like a toaster or a vacuum cleaner, that uses electricity to work?	Electricity for our homes usually comes from two sources. One is a battery; what is the other?
An appliance.	The mains.
If a bulb is not lighting up in a circuit, what might be wrong with the wires?	Which material is better for a wire: metal or plastic?
The circuit is broken or incomplete.	Metal, because it is a conductor.
True or False: A battery is also known as a cell in a simple circuit.	What does a bulb do in a simple circuit?
True.	It lights up to show that electricity is flowing.
Why is plastic often used to cover electrical wires?	If you add more batteries to a circuit with one bulb, what happens to the brightness?
It is an insulator, which keeps us safe from electric shocks.	The bulb gets brighter.
Does electricity flow if there is a gap in the circuit?	Name one item in your kitchen that uses mains electricity.
No, the circuit must be complete for electricity to flow.	Examples include a fridge, kettle, or toaster.