

Nova's Bright Circuits Activity

Learning objective: To identify common appliances that run on electricity and understand the difference between mains and battery power.

Nova the Owl is learning about electricity! Look at the list of objects below. Decide if each object uses mains electricity (plugged into the wall) or battery power. Draw a line to connect the object to the correct power source. If you are stuck, think about which items have a cord and which ones you can carry around easily.

Word bank: Mains · Battery · Plug · Circuit · Electricity

1. 1. A television is plugged into the wall. Does it use mains or battery power? (1 mark)

2. 2. A small hand-held torch uses batteries. Why is this useful? (2 marks)

3. 3. Name one thing in your classroom that needs to be plugged into the wall. (1 mark)

4. 4. Complete this sentence: Electricity flows around a path called a _____. (1 mark)

Draw: Draw a simple circuit with a battery, a wire, and a bulb. Make sure the wire forms a full loop so the bulb can light up!

Extension challenge: Nova wants to know: Can you find three things at home that use batteries? Write a list of them and show an adult.