

Name \_\_\_\_\_

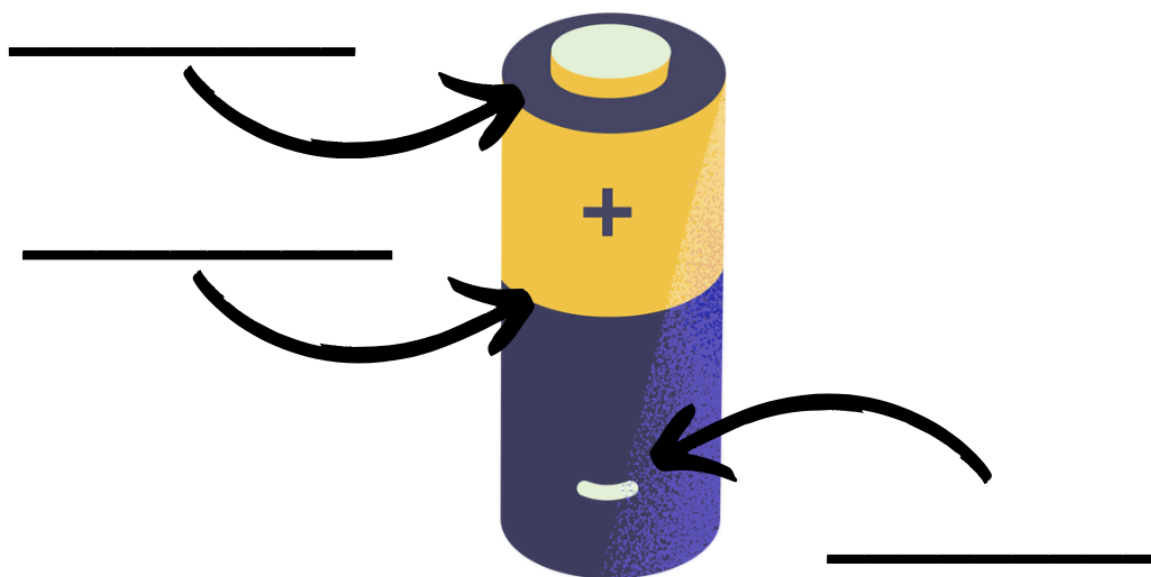
Date \_\_\_\_\_

# How a Battery Works

Fill in the blanks below. Use the Spectacular Science video on batteries to help you!

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The common type of battery is called the \_\_\_\_\_ cell battery. There are three parts of a battery: the \_\_\_\_\_, the \_\_\_\_\_, and the \_\_\_\_\_. The anode (\_\_\_ side) and cathode (\_\_\_ side) are two conductive materials. The electrolyte is a chemical that does not allow electrons to pass through it. Due to a \_\_\_\_\_ reaction, a large quantity of \_\_\_\_\_ builds up in the anode. The electrons want to flow to the cathode, but the electrolyte prevents that. When the battery is part of a circuit and the circuit is \_\_\_\_\_, the electrons flow from the anode, to through the wire, powering the \_\_\_\_\_, and goes back into the anode.



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# How a Battery Works

## Answer Key

Use this page to check answers.

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The common type of battery is called the **dry** cell battery. There are three parts of a battery: the **anode**, the **cathode**, and the **electrolyte**. The anode (- side) and cathode (+ side) are two conductive materials. The electrolyte is a chemical that does not allow electrons to pass through it. Due to a **chemical** reaction, a large quantity of electrons builds up in the anode. The electrons want to flow to the cathode, but the electrolyte prevents that. When the battery is part of a circuit and the circuit is **closed**, the electrons flow from the anode, to through the wire, powering the **load**, and goes back into the anode.

