Electricity & Circuits Activity for Kids

GENERATION**GENIUS**



Coin Battery DIY

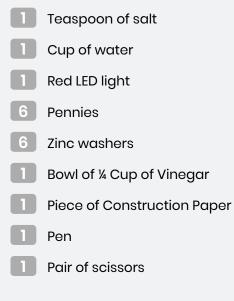
Uuration: **30 min**

陷 Difficulty: Medium



Learn how to make a battery out of coins to power an LED!

Material List



Instructions

In a bowl, mix I teaspoon of salt into ¼ cup of vinegar.
Soak the pennies in the salt/vinegar mixture for 5 minutes, then wipe them off.
Trace pennies on construction paper and cut them out to make 6 paper discs.
Soak the paper disks for 5 min in a mixture of 1 cup of water and I tablespoon of salt.
To assemble the battery, stack the items in this order: coin, paper, washer, coin, paper, washer, and so on.
Hold the LED light's long wire to the penny side of the stack, and the short wire to the zinc side of the stack.
Dim the light and your LED should light up!

How It Works

In this DIY you made a battery! Batteries convert chemical energy into electrical potential energy. That energy can be used to power a circuit, or in our case, an LED light. The more stacks there are, the higher the voltage of the battery and the brighter the light will be. The difference between a 1.5-volt battery and a 9-volt battery is how many stacks of chemicals they have inside.





