



LEMON BATTERY

Ingredients

- Lemon
- Nickel
- Penny
- Wire

Science Terms

- **Battery** – A container filled with metal plates and chemicals that react to produce an electric current.
- **Electricity** – A general term describing force, energy, current, or power that comes from the movement of electric charges.

Instructions

STEP 1: Have an adult cut two slits into the lemon.

STEP 2: Place the nickel into one of the slits and the penny into the other slit.

STEP 3: Cut the wire into two 6-inch pieces. Make sure the ends of each piece are exposed.

STEP 4: Slide the ends of each wire into the lemon next to each coin.

STEP 5: Holding the free ends of the wire, stick the exposed ends of the wire to your tongue.



Explanation

You feel a slight tingle when you touch the exposed ends of each wire to your tongue because the coins react with the acid in the lemon creating a small electrical current.

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