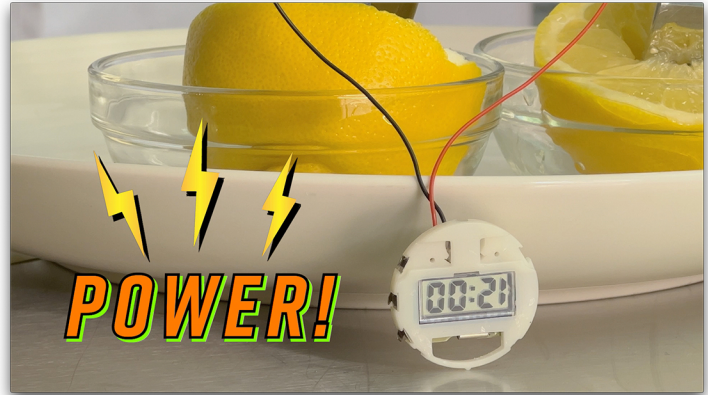


MAKING A LEMON BATTERY!



Did you know you can power a watch using a lemon? In this experiment, we make a small battery with a lemon, some connection wires, and some reactive metals!

We bought a special kit for this (which comes with other great experiments) from KidzLabs: <https://amzn.to/3GYZVoG>

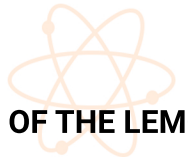


MATERIALS

- LEMON
- 2 METAL OR METAL PLATED FORKS (OR COPPER WIRE)
- 2 ZINC PLATES
- AN LCD WATCH WITH WIRE FOR POSITIVE AND NEGATIVE CONNECTIONS
- CONNECTION WIRE
- KNIFE AND CUTTING BOARD

PROCEDURE

1. ROLL THE LEMON TO LOOSEN UP THE JUICES INSIDE. CUT THE LEMON IN HALF AND BE CAREFUL NOT TO LOSE ANY JUICE.
2. ATTACH THE RED POSITIVE WIRE OF THE LCD WATCH TO OUR POSITIVE CATHODE, OUR FORK.
3. THEN ATTACH THE BLACK NEGATIVE WIRE OF THE LCD WATCH TO OUR NEGATIVE ANODE, THE ZINC PLATE.
4. SECURE THE CONNECTION WIRE TO THE SECOND FORK AND THE SECOND ZINC PLATE
5. INSERT THE FORK AND ZINC PLATE CONNECTED BY THE WIRE INTO SEPARATE HALVES OF THE LEMON.
6. INSERT THE FORK THAT IS CONNECTED TO THE LCD WATCH INTO THE LEMON HALF THAT HAS THE ZINC PLATE AND THE ZINC PLATE INTO THE LEMON HALF THAT HAS THE FORK.
7. VOILA, POWER!



THIS EXPERIMENT IS FOR INTERMEDIATE EXPLORERS, CAN BE DONE USING SOME HOUSEHOLD INGREDIENTS, REQUIRED US BUYING A SPECIAL KIT, AND NEEDS A LEMON TO BE CUT WITH A KNIFE.

