How to turn a Potato into a battery?
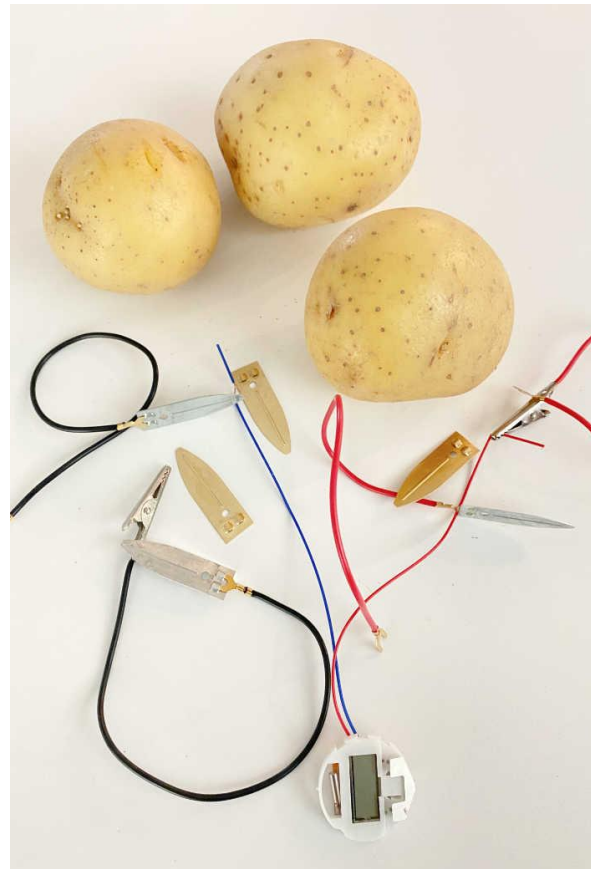
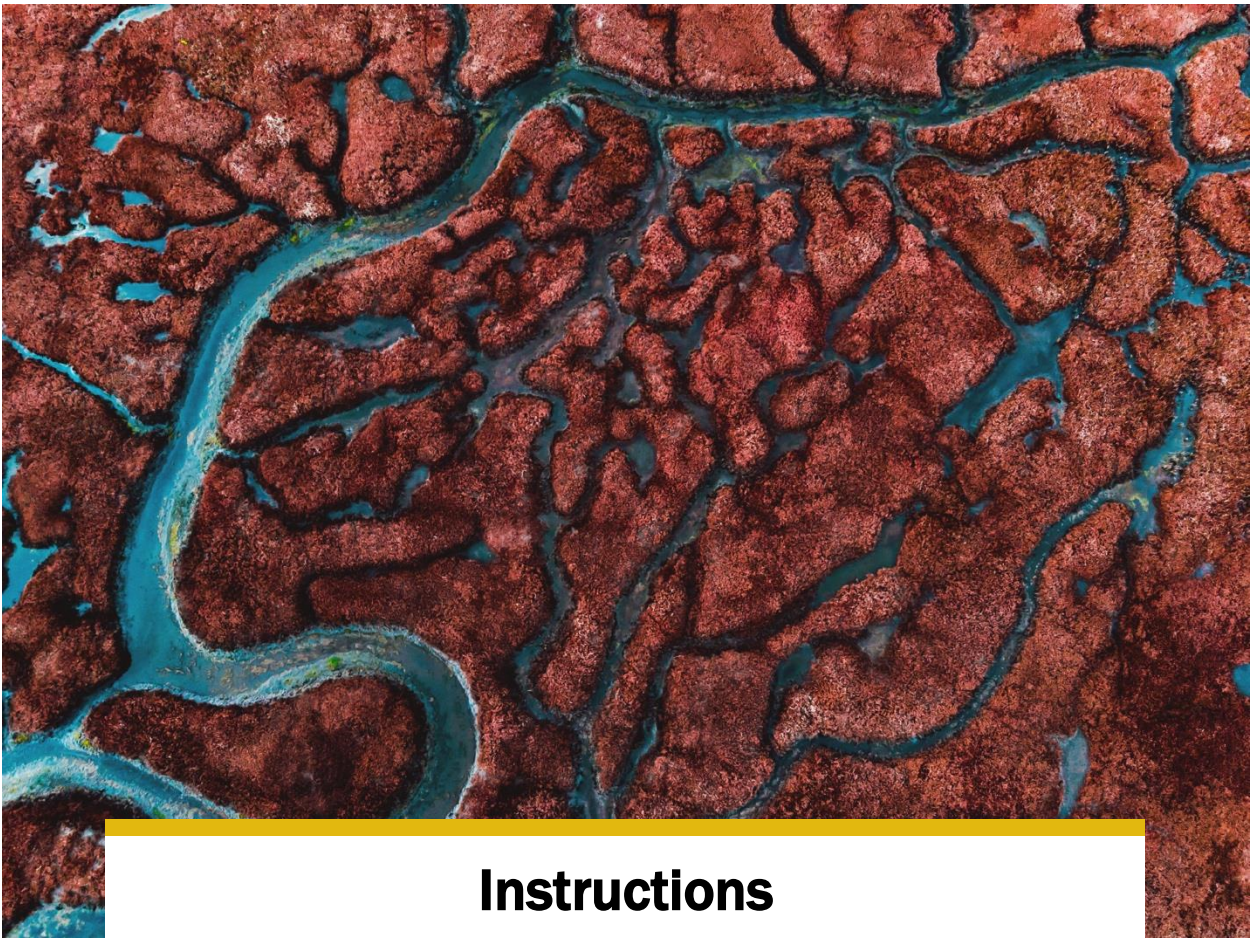vplaysmart

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John G, Chemistry Professor

How to turn Potato Into a battery?

Material List

- Two potatoes
- Knife
- Two copper wires
- Two pennies
- Two galvanized nails
- Multimeter with one black wire probe and one red wire probe

Image

Instructions

1. Cut out a penny-sized hole inside of a raw potato.

2. Strip one end of a copper wire.

3. Tie a copper wire around a penny, making sure the stripped end is touching the copper. You should wrap the wire around the penny a few times.

4. Place the penny and copper wire unit in the hole of your potato.

5. Pierce the potato with a galvanized nail, in the opposite side of the potato as the penny.

6. Do the same thing with another potato, penny, copper wire, and galvanized nail.

7. Place the two potatoes side by side.

8. Wrap the copper wire from one potato around the galvanized nail of the other potato.

Question

Why is our device suitable for people to use all over the world? What are its advantages and what are its limitations?

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