

4. Lemon battery

Topic: Densities

Objective: Student will observe metal conduction and acid properties producing electricity.

Vocabulary: light energy, conduction, nails, light bulb

Materials:

- A lemon
- 2 Metal objects (galvanized nails)
- A light bulb (small)
- A copper coin and wire

Development:

- **Read and look at the pictures.**

Step 1. Put the lemon on a table.

Step 2. Insert a metal object inside the lemon, for example, the galvanized nail.

Step 3. On the other end, insert a copper coin or some wire, in a way that a part of the coin/wire sticks out.

Step 4. Use the copper wire to connect the light bulb to the ends of the lemon and observe how it lights up.

Step 1.



Step 2.



Step 3.



Step 4.



Tell us...

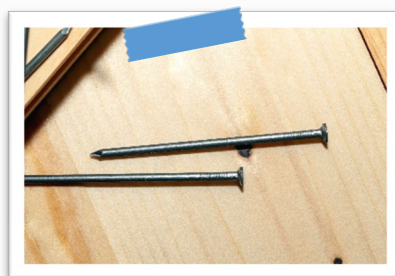
Look and read. Choose a word for each line.

- Cross out the pictures that are not related to the project.

1. This is a citric that you use for lemonade.
2. This type of money is circular and made of metal.
3. You hit this with a hammer to put it on a wall.
4. Magnets stick to these materials.
5. This lights on when you turn on a lamp.



coins



a nail



a lemon



batteries



metals



a light bulb



Glue a picture of your project finished!

Lemon battery

Glue your
picture here
:)

1. What was your favourite part of the project? _____.

2. What, exactly, did you like the most?
_____.

3. Extra notes on what you observed during the project. _____

_____.

4. Can you see or apply the information from the project in real life? YES / NO

Explain: _____
_____.

5. Was it easy to get the materials for the project? YES / NO

Explain: _____
_____.

