

20.7: Thinking about the Material

20.7.1: Reflect and research

1. When did Galvani and Volta experiment with electric cells?
2. What is the largest voltage that Volta obtained with his voltaic pile?
3. How does one charge a rechargeable battery? What would the circuit look like?

20.7.2: To try at home

1. Research circuit diagrams of appliances you have at home.

20.7.3: To try in the lab

1. Propose an experiment to measure the change in current of an RC circuit as a capacitor builds up and releases charge.
2. Propose an experiment to determine the RC constant for a capacitor charging circuit.
3. Propose an experiment to measure the resistance of a voltmeter and compare your results with the manufacturer's.

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