



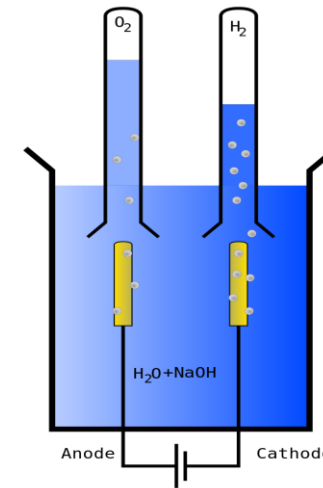
Electrolysis of Water Lab Report



Title Page:

Electrolysis of Water

Laboratory Report



By: *Student Name*

Course: EST 444-42

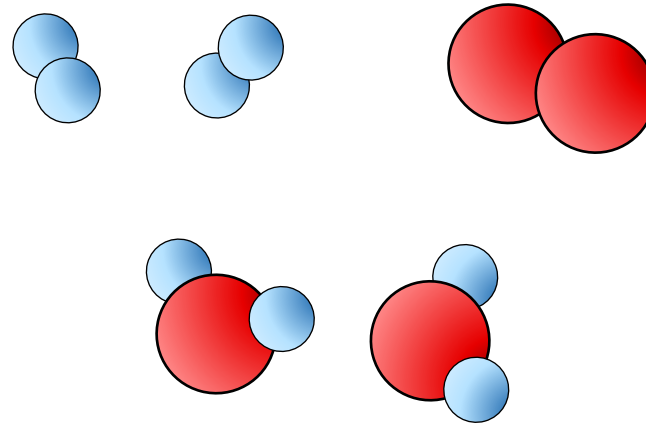
Teacher: MacTamgram

Date: Nov. ??, 2019

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Objective: The purpose of this experiment is to determine, blah, blah, blah...

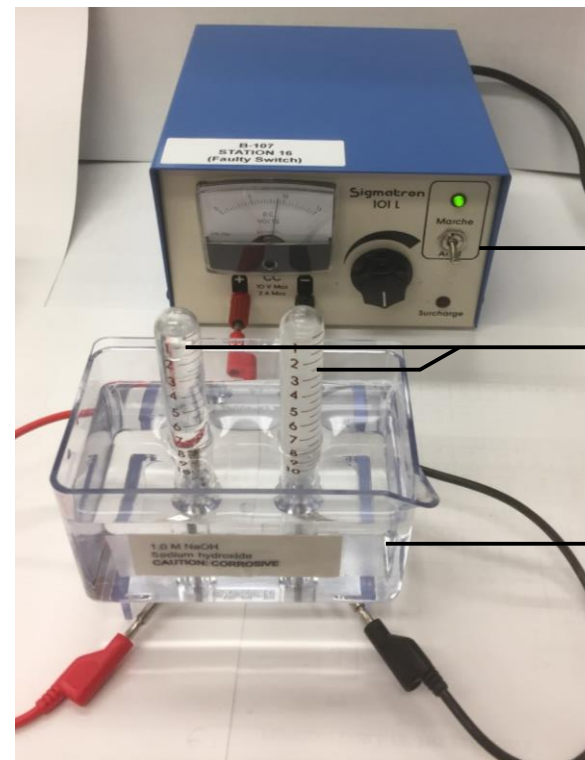
Hypothesis: The elements that make up water are #&% and @!*% and are present in a 27:5 ratio, since ...

Materials:

- Power Supply
- Red connecting wire
- Black connecting wire
- 1 all-dressed pizza / extra bacon
- Electrolysis tank (1.0 M NaOH solution)
- 2x 10mL graduated test tubes
- 2x rubber stoppers (size 00)

Diagram will be labelled

Diagram:



Power supply

10 mL graduated test tubes

Electrolysis tank (1.0 M NaOH)

Procedure:

- 1) blah, blah, blah...
- 2) mumble, mumble...
- 3) babble, babble...
- 4) Repeat step 1.

Observations:

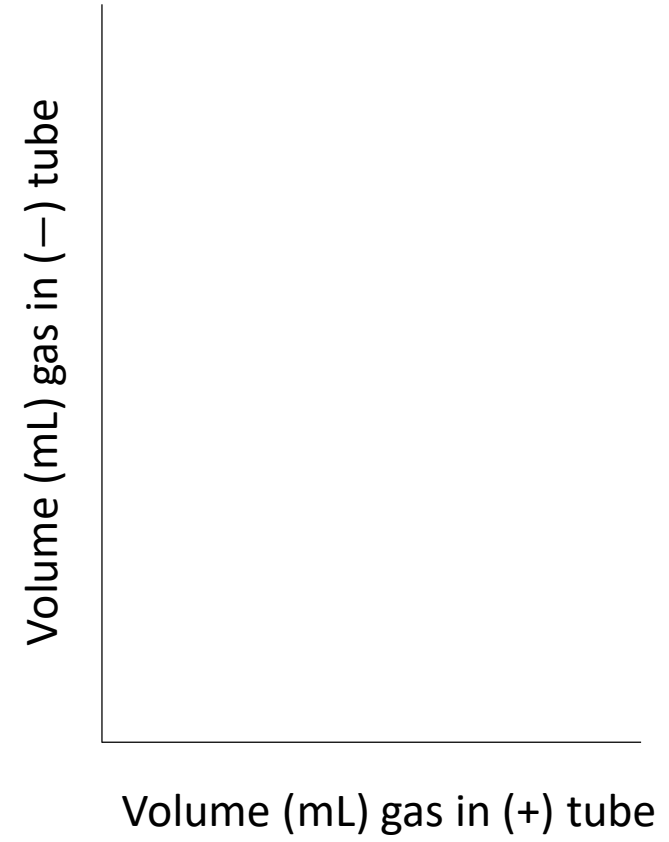
Volumes of gases collected

| Volume (+) ... (mL) | Volume (-) ... (mL) |
|------------------------|------------------------|
| 1.0 | |
| 2.0 | |
| 3.0 | |
| 4.0 | |
| 5.0 | |

Testing the gases collected

| | |
|--------------------|--|
| Lit splint ... | |
| Glowing splint ... | |

Graph:



Analysis:

- 1) The gas produced at the '+' electrode ...
- 2) The gas produced at the '-' electrode ...
- 3) Slope Calculation:
 $P1(x1, y1)$ $P2(x2, y2)$
Slope =
- 4) The ratio of the two gases was found ...

Conclusion:

The two elements that make up water were found to be _____ and _____, at a ratio of __:__

The data collected (*supports/does not...*) the hypothesis made.

