

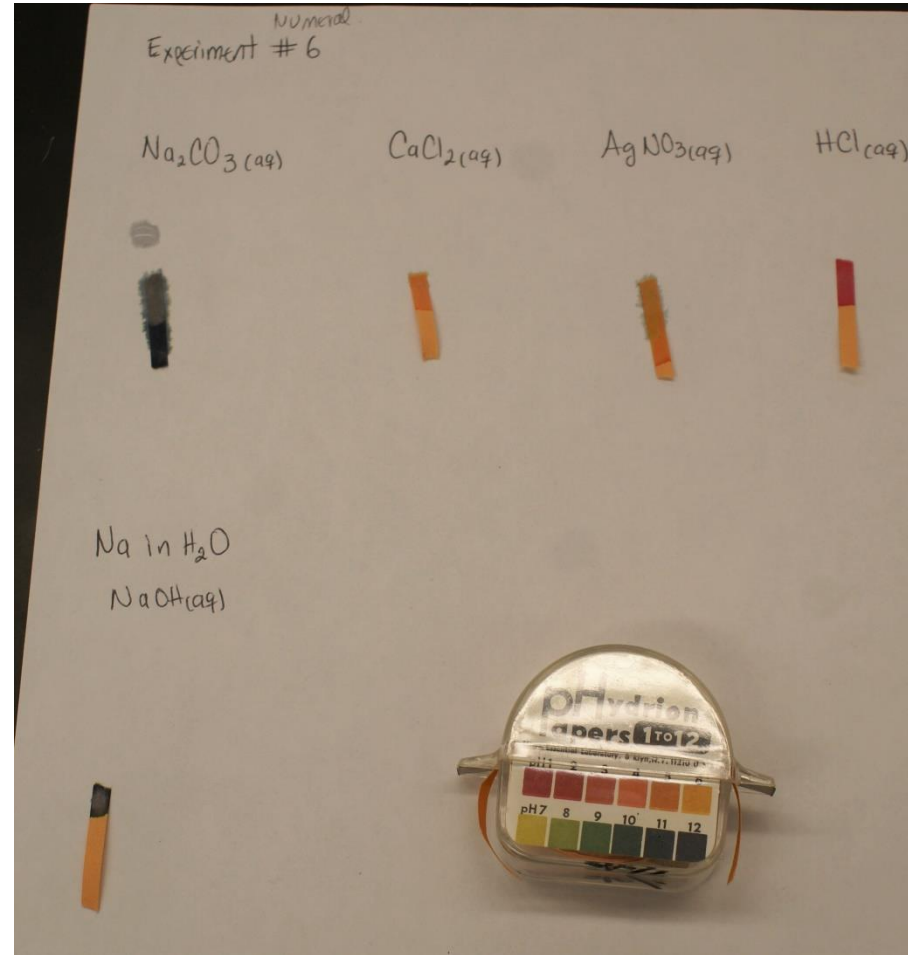
# LABORATORY No 4

## PART ONE

The solutions used in this lab were prepared by:

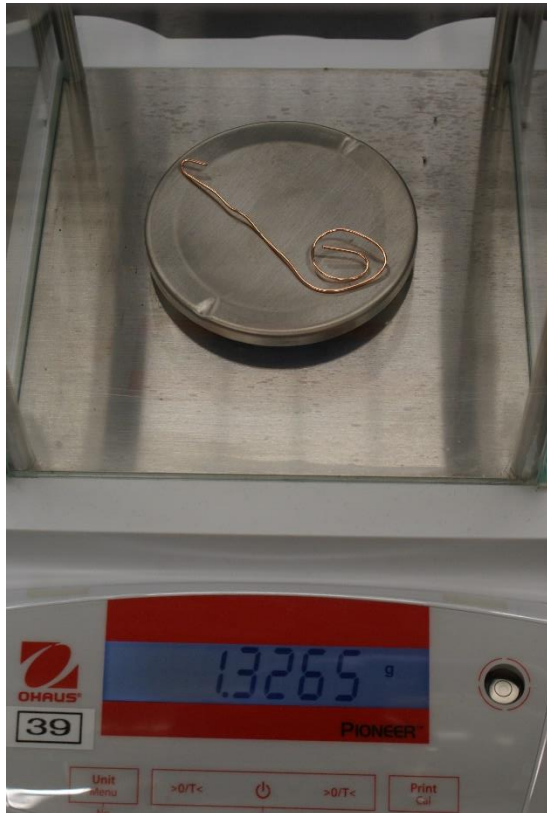
- a. Dissolving 1.699 g for  $\text{AgNO}_3$  in 100.00 mL of water (used in reaction#1)
- b. Dissolving 1.110 g for  $\text{CaCl}_2$  in 100.00 mL of water (used in reaction#2)
- c. Dissolving 1.060 g for  $\text{Na}_2\text{CO}_3$  in 100.00 mL of water (used in reaction#2)
- d. Dissolving 5.00 mL of HCl 6.0 M in 100.00 mL of water (used in reaction#3)

# Numeral 6



# Reaction #1

Numeral 7



VIDEO#1 link

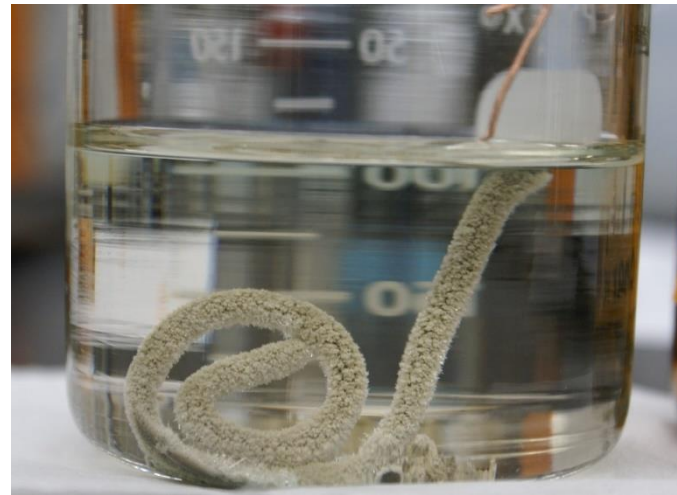
<https://youtu.be/O4H-bs3dJvI>

Numeral 8

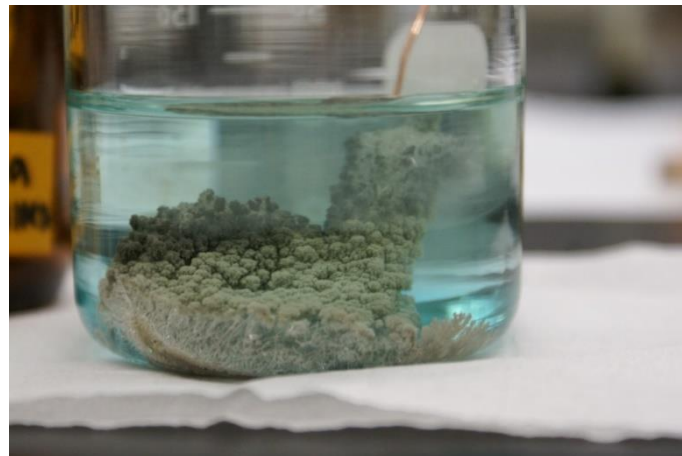
5 minutes



20 minutes



4 hours



Reaction #1

VIDEO#2 link

<https://youtu.be/UQ9S81G-snU>

## Reaction #2

Numeral 9



VIDEO#6 link

<https://youtu.be/VvuecQsPhpE>

Numeral 10

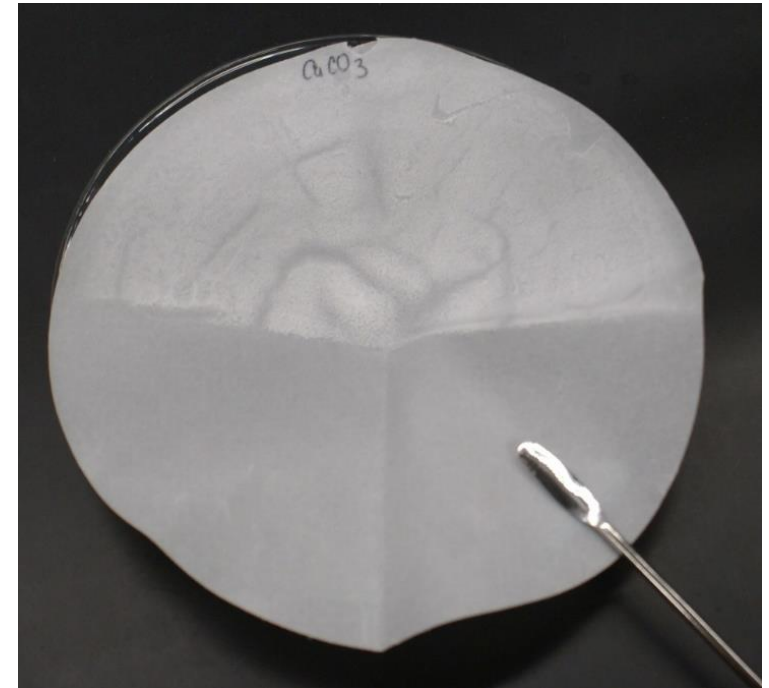
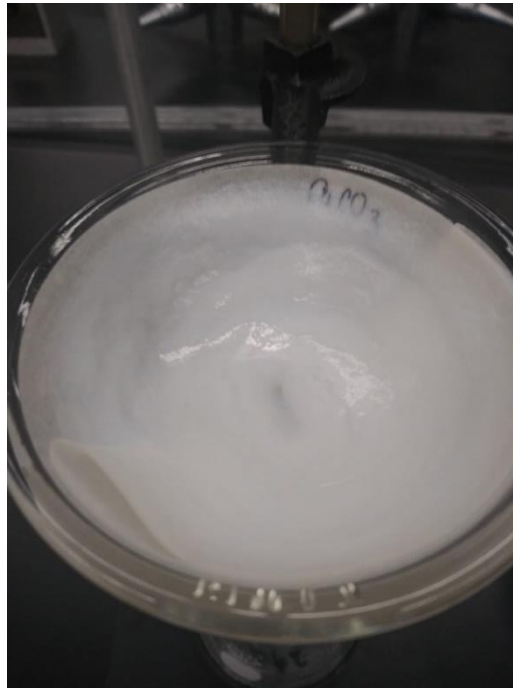
VIDEO#7 link

<https://youtu.be/FKMBnr8J6qo>

VIDEO#8 link

<https://youtu.be/r9ObVClanD8>

Reaction #2



Numeral 12 -13

VIDEO#9 link

<https://youtu.be/N9pdB81gwHU>

Added 5 drops of phenolphthalein at the beginning, then added a total of 219 drops of HCl 0.300 M to the sodium in water solution that you kept from the first lab.

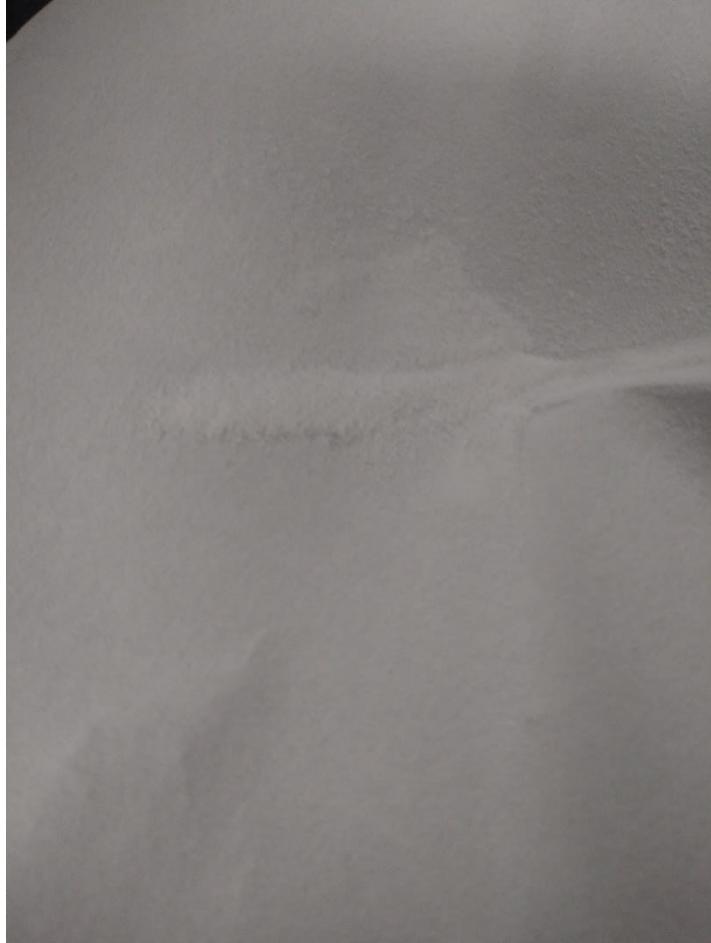
# **THINKING ABOUT THE DATA PART 1**



# **LABORATORY No 4**

## **PART TWO**

Numeral 27





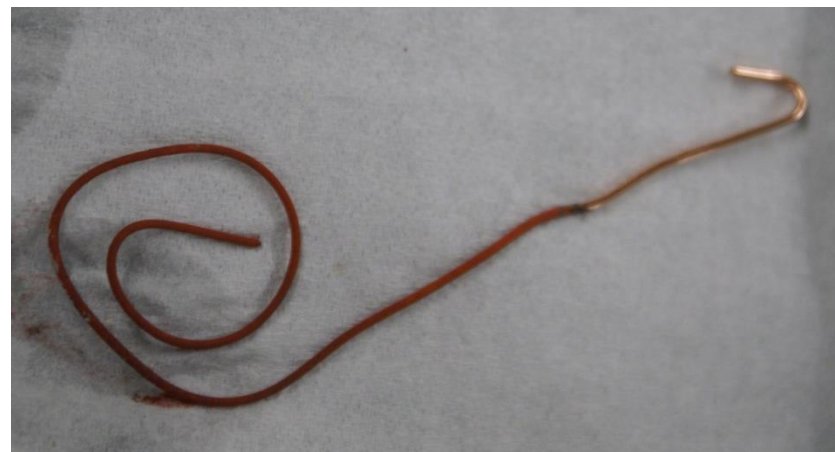
VIDEO#3 link

<https://youtu.be/kZQIsNVrsOY>

VIDEO#4 link

<https://youtu.be/OhdczCrFwOU>

# Reaction #1



In Oven



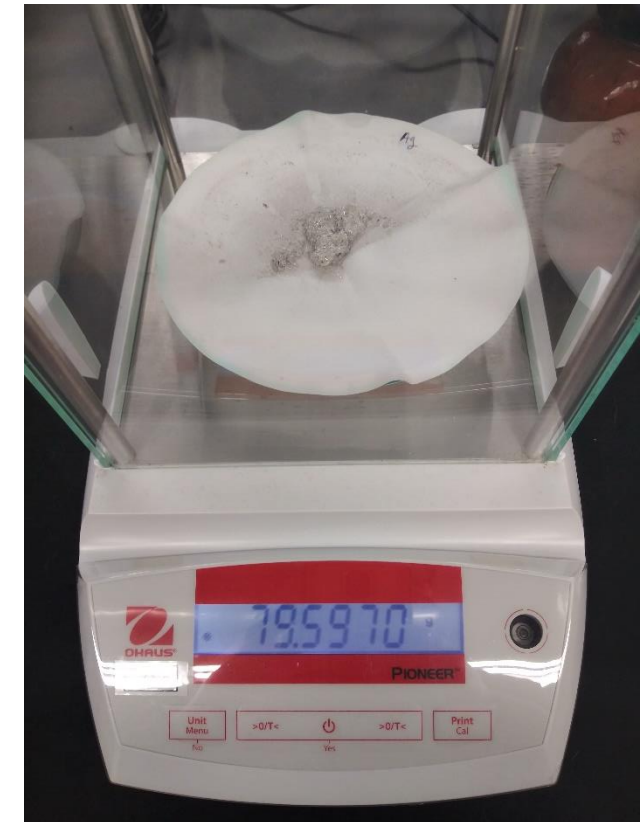
Numeral 32

Reaction #1

VIDEO#5 link

<https://youtu.be/J-vlKHtuhoU>

Numeral 34



# **THINKING ABOUT THE DATA PART 2**