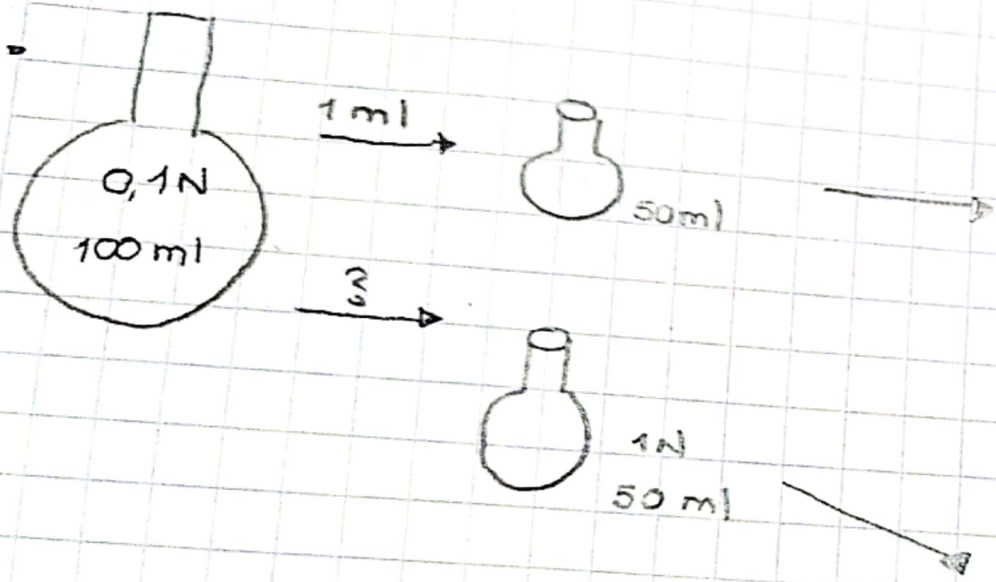
NOMBRE = Gina Marcela Molano

FILA B.

1.




$C_1 \cdot V_1 = C_2 \cdot V_2$

$0,1N \cdot 1ml = C_2 \cdot 50ml$

$0,002N = C_2$

$C_1 \cdot V_1 = C_2 \cdot V_2$

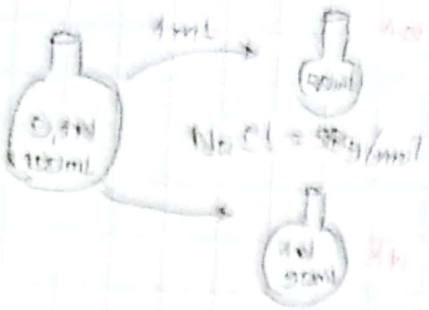
$V_1 = \frac{0,02N \cdot 50ml}{0,1N}$

$V_1 = 10\ ml$

Powered by CamScanner

Nombre: Mario Alejandro Mendez Pineda 09-11-2022

1 No. 3

① 


$$C_2 = \frac{C_1 V_1}{V_2} ; \frac{(0,1\,N)(1\,mL)}{50\,mL}$$

$$C_2 = 2 \times 10^{-3}\,N \rightarrow 1a.$$

$$V_1 = \frac{(1\,N)(50\,mL)}{0,1\,N} = 500\,mL$$

$$V_1 = (0,02\,N)($$

② Xg Solución 0,5 M en 250 mL NaCl

$$0,5\,M \times (0,25\,L) =$$

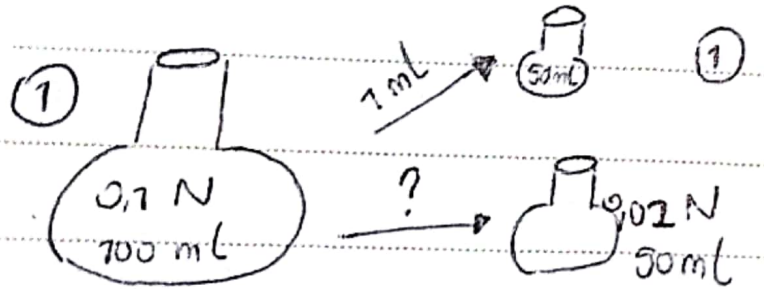
50

K!

Jennfer Daniela Guamon Padilla

DD MM AA

09/11/2022 FILA B




① $C_1 \cdot V_1 = C_2 \cdot V_2 \rightarrow C_2 = \frac{C_1 \cdot V_1}{V_2} \rightarrow C_2 = \frac{0,1\ N \cdot 1\ mL}{50\ mL}$

$C_2 =$ **0,002 N ó $2 \times 10^{-03}$ N**

② $C_1 \cdot V_1 = C_2 \cdot V_2 \rightarrow V_1 = \frac{C_2 \cdot V_2}{C_1}$

$\rightarrow V_1 = \frac{0,02\ N \cdot 50\ mL}{0,1\ N} =$ **10 mL**

② Determine los g para la solución 0,5 M en 250 mL

$V = 250\ mL \cdot \frac{1\ L}{1000\ mL} = 0,250\ L$

$M \cdot V = Eg \rightarrow 0,5 \cdot 0,250\ L = 0,125\ eq \cdot \frac{58\ g\ NaCl}{1\ eq} =$ **7,25 g NaCl**

Moles

4,0

Powered by CamScanner

F I L A A

1. Diluciones

① $C_1 \cdot V_1 = C_2 \cdot V_2$

$0,5N \quad V_1 = 0,2N \cdot 100\,ml$

$V_1 = \frac{0,2N \cdot 100\,ml}{0,5N}$

$V_1 = 40\,ml$

② $C_1 \cdot V_1 = C_2 \cdot V_2$

$0,5N \quad 1ml = 0,1N$

$0,5N \cdot 1ml = V_2$

$0,1N$

$5\,ml = V_2$

2. Gramos = ? Si 0,1 M en 100 ml NaCl

$100\,ml = \frac{0,001\,l}{1\,ml} = 0,1\,l$

$4,0$

$0,1\,\frac{mol}{l} \times 0,1\,l = \frac{58\,g\ NaCl}{1\ eqv\ NaCl} = 0,58\,g\ NaCl$

$1\,mol$

Marta Camila Higuera Ramirez. Fila A

Quiz.

① $C_1 \cdot V_1 = C_2 \cdot V_2$

$C_1 = 0,5N \quad V_1 = 1mL \quad C_2 = 0,1N \quad V_2 = 30$

$V_2 = \frac{0,5N \cdot 1mL}{0,1N} = 5mL$

② $M = \frac{\text{mol soluto}}{\text{L solución}}$ R/ 0,48g

$M \cdot L = \text{mol soluto}$

$0,1M \cdot 0,1L = 0,01 \text{ mol soluto}$

$0,1L = 100ml \cdot \frac{1L}{1000ml}$

$NaCl = 23 + 35 = 58 g/mol$

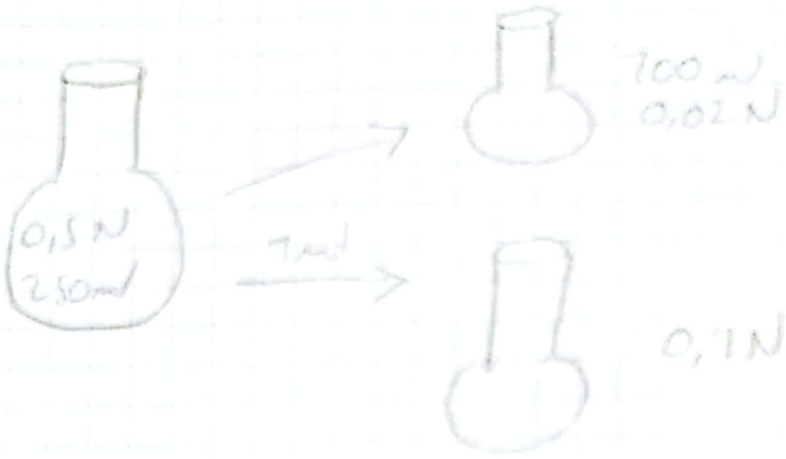
$0,01 mol \cdot \frac{58g}{1mol} = 0,58g$

Konecta

#TrascendemosFronteras

Powered by CamScanner

Yeni Alexandra López Chaves Fila A 9 11 22




50

2) Determine cuáles gramos si 0,1 M en 100ml de NaCl

1). $C_1 \cdot V_1 = C_2 \times V_2$

$V_1 = \frac{C_2 \times V_2}{C_1}$

$V_1 = \frac{0,02N \times 100ml}{0,5N}$

$V_1 = 4\ ml$

$C_1 \times V_1 = C_2 \times V_2$

$V_2 = \frac{C_1 \times V_1}{C_2}$

$V_2 = \frac{0,5N \times 7ml}{0,7N}$

$V_2 = 5\ ml$

Powered by CamScanner

 Harold Estiven Avellaneda

fila A

NaCl 58g

① $0,5N * \quad ? = 0,02v * 100ml$

$$\frac{0,02N \times 100ml}{0,5N} = 4mL$$

$0,5N \times 1mL = 0,1v * ?$

$$\frac{0,5N \times 1ml}{0,1N} = 5mL$$

4,7

② 0,1 M

$$0,1\frac{Equi}{L} \cdot 0.1L = 0.01$$

$$0.01\ Equi \cdot \frac{58g\ NaCl}{1\ Equi} = 0.58g\ NaCl \approx$$

Powered by CamScanner

Willi Bemal Filo A

Día 09 Mes 11 Año 2022

0,5 N 250 ml

① $V_1 \cdot C_1 = V_2 \cdot C_2 \rightarrow V_1 = \frac{100ml \cdot 0,02N}{0,5N} = 4ml$

? 0,5N = 100ml . 0,02N

② $V_1 \cdot C_1 = V_2 \cdot C_2 \quad V_2 = \frac{1ml \cdot 0,5N}{0,1N} = 5ml$ S; O

1m 0,5N = 7 . 0,1N

$0,1M \cdot 0,1L \cdot \frac{58gr\ NaCl}{1mol} = 0,58g$

Powered by CamScanner

Gina Paola Martin Loaiza

# Quiz - Fila B

Determine los gramos para una solución 0,5M en 250mL NaCl.

$$250\,mL \times \frac{1\,L}{1000\,mL} = 0.25\,L$$

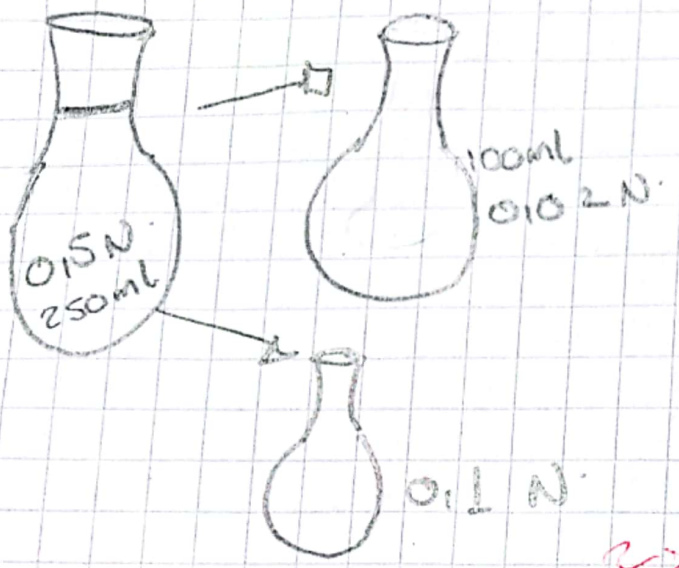
2,5

$$0,25\,L\ \cancel{NaCl} \times \frac{0,5\,mol\ NaCl}{1\,\cancel{L\ NaCl}} \times \frac{58\,g}{1\,mol\ NaCl} = 7,25\,g\ NaCl$$

Powered by CamScanner

Nidia Forero Muñoz Fila A 04-11-22

NaCl.




3,0

$C_1 \cdot V_1 = C_2 \cdot V_2$

$C_1 = 0,5N$
$V_1 = 100mL$
$C_2 = 0,02N$
$V_2 =$

$$\frac{0,2N \times 100mL}{0,5N} = 40mL$$

$$\frac{0,5N \cdot 1mL}{0,1N}$$

$$\frac{0,1N \times 1mL}{0,5N} = 0,2mL$$

= gramos = 5ī 0,1M en 100mL NaCl.

$$0,1M \frac{Eq}{L} \times 0,1L \left(\frac{58g\ NaCl}{1\ Eq\ g}\right) = 0,58g$$

Powered by CamScanner

filo 6 JOJOQ david

JOJOC david

0,1 N · 100 mL

1 $\frac{0,1N \cdot 1mL}{50mL} = 0.002\ N$

5,0

$10mL = \frac{0,02N}{0,1\ N} \cdot 50\ mL$

~~Eq~~ ~~M~~ = ~~moles~~ / 0,2L

0,5 M ( 1 M

0,5 moles / L · 0.25 L = 0.125 moles ( 58 g NaCl / 1 mol

7.25 g NaCl

Powered by CamScanner

Ley Shanck Laguna P.

de noviembre 2022

Fila B

12

(1)

$$C_1 \times V_1 = C_2 \times V_2$$

$0{,}1N \quad 1ml \qquad 50ml$

$$C_2 = \frac{0{,}1N \times 1ml}{50ml} = [0{,}002N]$$

$$C_1 \times V_1 = C_2 \times V_2$$

$0{,}1N \qquad 0{,}02N \quad 50ml$

$$V_1 = \frac{0{,}02N \times 50ml}{0{,}1N} = [10ml]$$

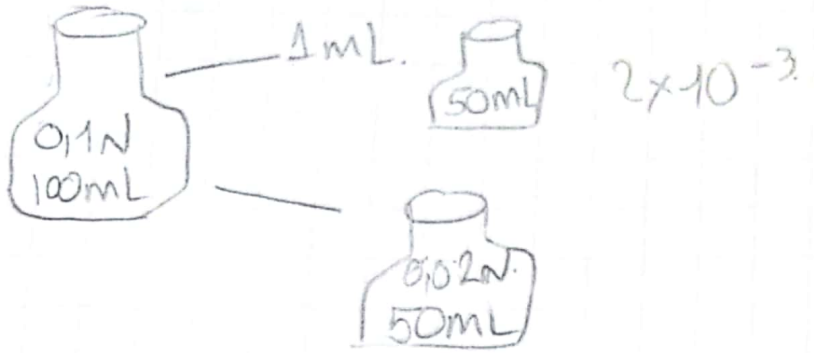
ermine los gramos para una Solución 0,5M en 250ml NaCl

58 g

$$5M \times \frac{58g}{1mol} = [29g]$$

$0{,}5M \cdot 0{,}25 \; l \cdot 58$

Yazmin Camelo Bernate. Tila B. 09-11-22.




$2 \times 10^{-3}$

2,5

Determine gramos para una Solución 0,5M en 250 mL NaCl

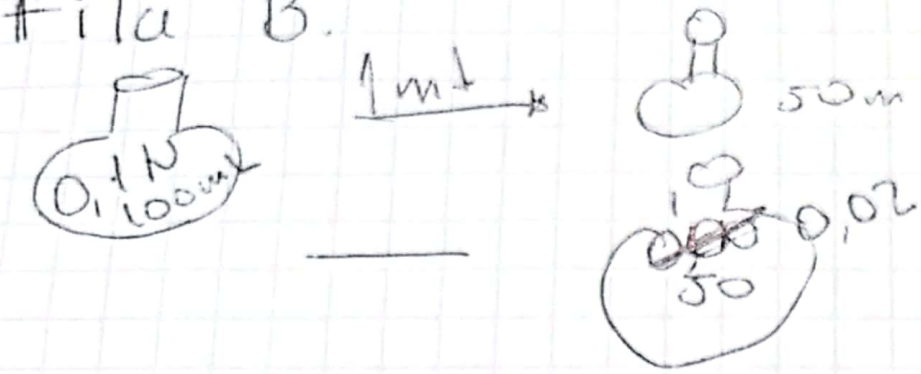
$$\frac{0,1\,N \times 1\,mL}{50\,mL} = 2 \times 10^{-3}$$

$$\frac{0,02\,N \times 5\,mL}{50\,mL} = 2 \times 10^{-3}$$

$$0,5\,M\,NaCl \times \frac{58\,g}{1\,mol\,NaCl} = 29\,g$$

L

Fila B.




$C_1 \cdot V_1 = C_2 \cdot V_2$

0,1 1 ml x 50 ml

$C_2 = \frac{0.1 \cdot 1\,ml}{50\,ml} = 0.002$

$C_1 \cdot V_1 = C_2 \cdot V_2$

.1 x 002 50 ml

$x = \frac{0.02 \cdot 50}{0.1} = 1.$

Determine los gramos para una solución 0.5 en 250 ml NaCl

58.

$\frac{250\,ml}{1} \quad 2.5 \quad \frac{58g}{1\,m.}$

$2.5 \cdot .05 \quad \frac{58g}{1}$

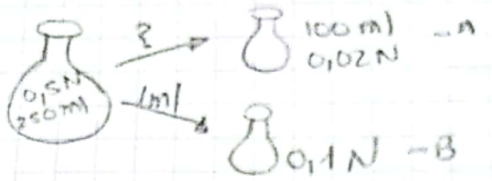
0,25 =

3,0

Marcela C

Fila A 2022-11-09.

Sandra Hilena Vera M.

① 


25

$A = C_1 \cdot V_1 = C_2 \cdot V_2$

$C_1 = 0,5\ N$
$V_1 = ?$
$C_2 = 0,02\ N$
$V_2 = 100\ ml$

$0,5N \cdot V_1 = \frac{0,02N \cdot 100ml}{0,5N} = V_1$

$V_1 = 4\ ml$

$B = C_1 \cdot V_1 = C_2 \cdot V_2$

$C_1 = 0,5\ N$
$V_1 = 1\ ml$
$C_2 = 0,1\ N$
$V_2 = ?$

$0,5N \cdot 1ml = 0,1N \cdot V_2$

$V_2 = \frac{0,5N \cdot 1ml}{0,1N}$

$V_2 = 5\ ml$

② gramos? Si 0,1 M en 100 ml NaCl

$\frac{100ml}{1l} \times 0,1M \cdot \frac{58.Nacl}{1\ mol\ NaCl} = 0.58\ g\ NaCl$

6

$0,1\ M \times 100ml \rightarrow \frac{1\ mol\ NaCl}{1000ml}$

Powered by CamScanner

$C_1 V_1 = C_2 V_2$

Camila Andrea Chaparro López

Quiz 2

1. $C_2 = \frac{C_1 V_1}{V_2} = \frac{0,1N \cdot 1ml}{50ml} = 2 \times 10^{-3} N$

$V_1 = \frac{C_2 V_2}{C_1} = \frac{1N \cdot 50ml}{0,1N} = 500ml$

2. ~~$\frac{5g/L \cdot 2,5ml/1000 = 2,0 \cdot 1}{0,5ml}$~~

6

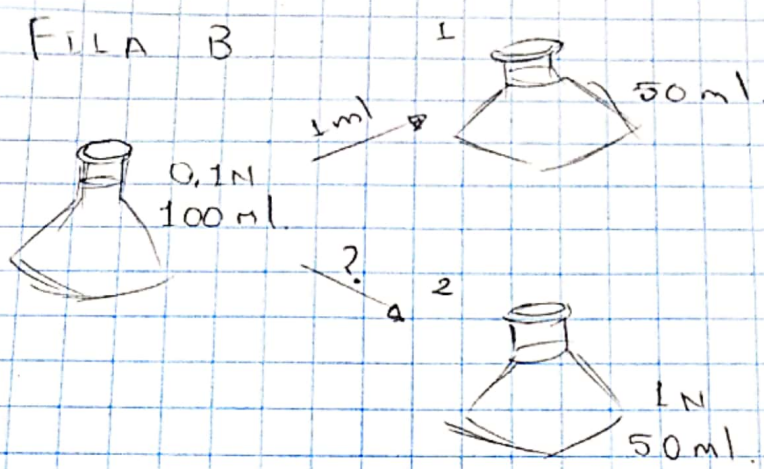
B 25

Powered by CamScanner

Jhon Sebastian Aguillon

23
35
58

1) Fila B




3,0

1) $C_1 \cdot V_1 = C_2 \cdot V_2$

$0,1N \cdot 1ml = C_2 \cdot 50ml.$

$\frac{0,1N \cdot 1ml.}{50ml.} = C_2$

$2 \times 10^{-3} = C_2$

2) $C_1 \cdot V_1 = C_2 \cdot V_2$

$0,1N \cdot V_1 = 1N \cdot 50ml.$

$V_1 = \frac{1N \cdot 50ml}{0,1N}$

$V_1 = 500ml.$

3) $C_1 \cdot V_1 = C_2 \cdot V_2$

$0,1N \cdot V_1 = 0,02N \cdot 50ml$

$V_1 = \frac{0,02N \cdot 50ml.}{0,1N}$

$V_1 = 10ml.$

2) Determine los 6r. solucion 0,5M en 250

NaCL

0,5M

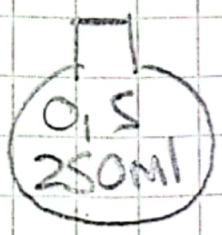
$0,5\ \frac{mol}{L} \cdot 0,25L \cdot \frac{55\ gr\ NaCL}{1\ mol\ NaCL} = 75\ gr\ NaCL$

Powered by CamScanner

Quiz. Fila A.

Karen Diaz Moreno.

1.




→ 100 ml
0,02 N.

1ml → 0,1N

- $C_1 \cdot V_1 = C_2 \cdot V_2$
  $0,5N \quad ? \quad 0,02N \quad 100ml$

$$V_1 = \frac{0,5N \cdot 100ml}{0,02N} = 2,50ml$$

- $C_1 \cdot V_1 = C_2 \cdot V_2$
  $0,5N \quad 1ml \quad 0,1N \quad ?$

$$V_2 = \frac{0,5N \cdot 1ml}{0,1N} = 5ml.$$

2) gramos ? Si 0,1 m en 100ml NaCl = 58

100ml

?

1,0

Powered by CamScanner