

2010 -			
	10 -	8 :	3 :

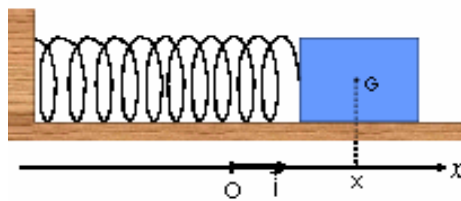
:

6 :

G

m=100g

K=8,0 N/m



4cm

t=0

$\overrightarrow{OX}$

x=0

(O)

- -1

T_0

-

$$X = X_m \cos(2\pi / T_0 t + \varnothing)$$

-2

$\varnothing$ T_0 X_m

$\overrightarrow{OX}$

V_x

-

$\varnothing$ X_m

-

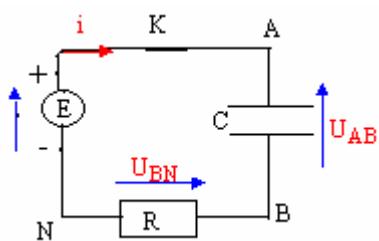
t=T₀/4

$\overrightarrow{OX}$

a_x

/ →

6 :



C

R=1KΩ

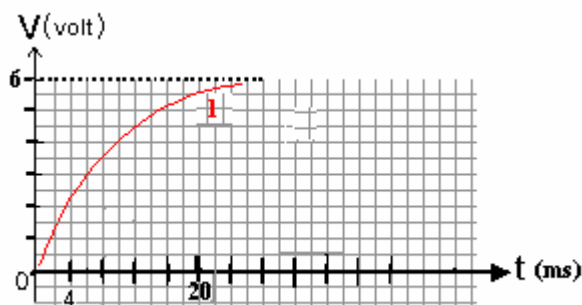
K

U_{BN}, U_{AB}, E

/ 1

.(1)

/ 2



المنحنى 1

/

/

. C

RC

 τ

/ 3

:

4 :

 $1.0 \cdot 10^{-2} \text{ mol/L}$ V_1 C_1

:

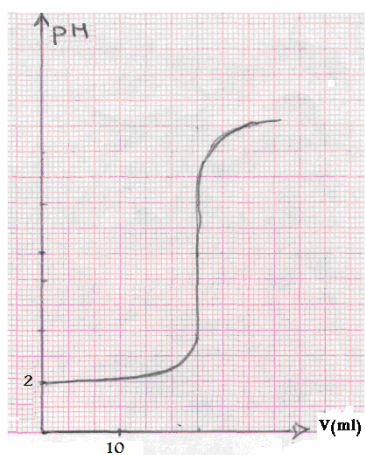
pH

. $V_1 \cdot C_1$

/ 1

/ 2

/ 3



4 :

. PH=11,1

 $C_1 = 0,10 \text{ mol/l}$ (S₁). NH₃

/ 1

.

/ 2

. V₂=100ml(S₂)

/ 3

. (S₁) $C_2 = 2,5 \cdot 10^{-2} \text{ mol/l}$

. 10,8

(S₂)

PH

/ 4

. S₂

-

.

NH₃

-

 $(\text{NH}_4^+ / \text{NH}_3)$