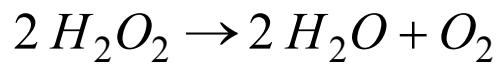


- 3





1 litre $x(\text{ vol})$

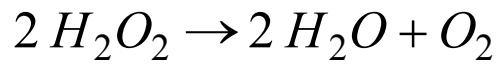
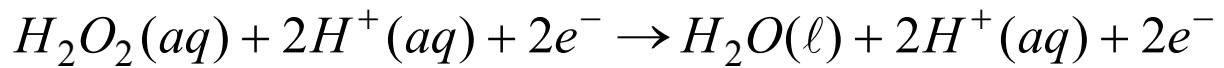
$H_2O_2(aq)$

$x \text{ litre}$

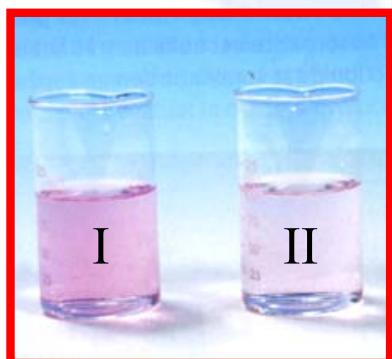
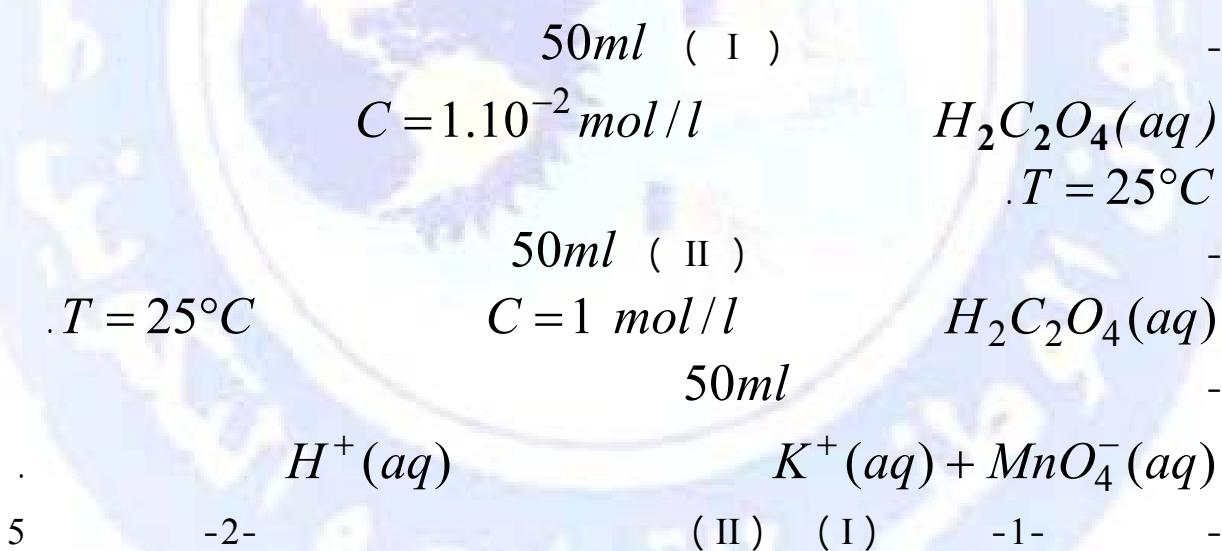
(P = 101,3 Kpa 0°C)

/

$O_2(g)/H_2O_2(aq) \quad H_2O_2(aq)/H_2O(\ell)$

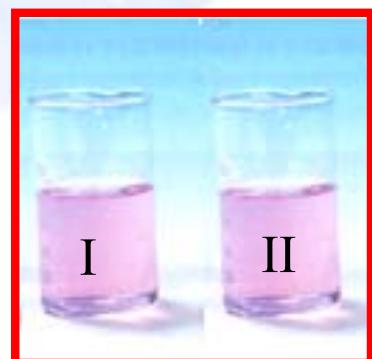


- 1



شكل - 2 -

5 دقائق بعد المزج

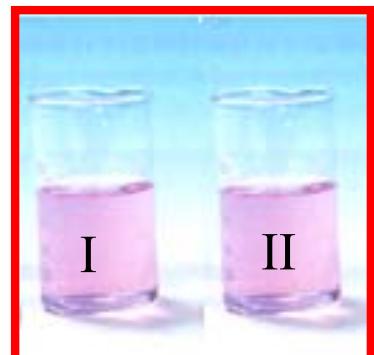


شكل - 1 -

- 2 - شكل

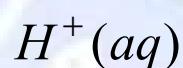
- 1 - شكل

5 دقائق بعد المزج ←



5

- 2 -



(II) (I)

- 1 -

50ml (I)

$$C = 1.10^{-2} \text{ mol/l}$$



$$T = 25^\circ C$$

50ml (II)

$$C = 1.10^{-2} \text{ mol/l}$$



$$T = 45^\circ C$$

50ml

			- 1 -	
			- 2 -	

(II)

5

- 1 -

- 2 -

- 2

- 1

- 2

(II)

- 1

- 2

: ()

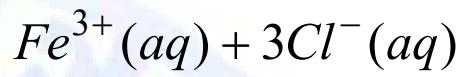
$t = 0$

(modification permanente)

(III)

$$V = 60 \text{ mL}$$

$$C = 1 \text{ mol/l}$$



$$C_2 = 0,5 \text{ mol/l}$$

$$C_1 = 1 \text{ mol/l}$$

$$C_3 = 0,1 \text{ mol/l}$$

(20 Vol)

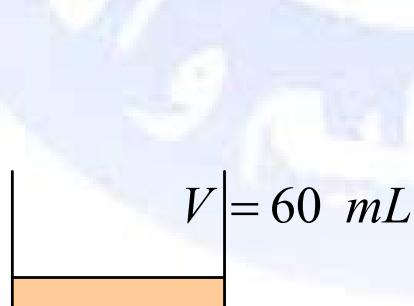
$$50 \text{ mL}$$

$$1 \text{ mL}$$

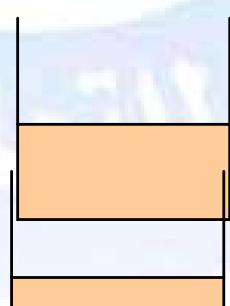
- 1
- 2
- 3

(III)

- 1
-

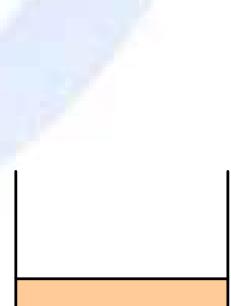


$$V_1 = 20 \text{ mL}$$



$$V_2 = 20 \text{ mL}$$

$$C_1 = 1 \text{ mol/l}$$



$$V_3 = 20 \text{ mL}$$

:



$$V_1 = V'_1 = 20 \text{ mL}, C_1 = 1 \text{ mol/l} \\ . C_2 = 0,5 \text{ mol/l}$$

$$n = \frac{C_1}{C_2} = \frac{1}{0,5} = 2$$

$$n = \frac{V'_2}{V_2} = 2$$

$$V'_2 = 2 \times V_2 = 2 \times 20 = 40 \text{ mL}$$

20mL :



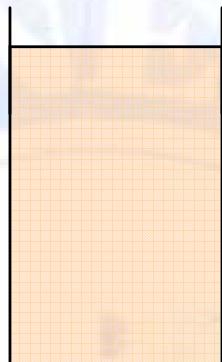
$$V'_2 = 40 \text{ mL}, C_2 = 0,5 \text{ mol/l}$$

$$. C_3 = 0,1 \text{ mol/l}$$

$$n = \frac{C_1}{C_3} = \frac{1}{0,1} = 10$$

$$n = \frac{V'_3}{V_3} = 10$$

$$V_3' = 10 \times V_3 = 10 \times 20 = 200 \text{ mL} : \\ 180 \text{ mL} :$$



$$V_3 = 200 \text{ mL}, C_3 = 0,1 \text{ mol/l}$$

.(III)

- 2
- 3

:

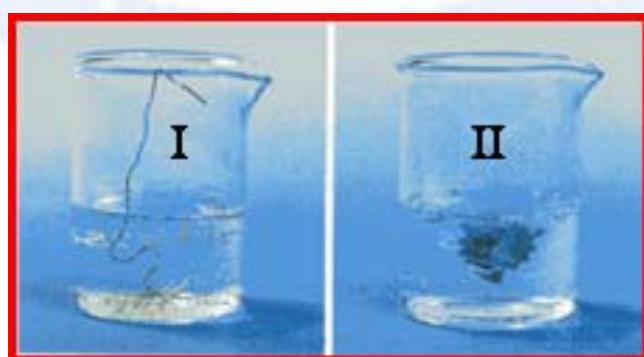
- 2

(20 vol)

50ml (I)

$T = 50^\circ\text{C}$

$Pt(s)$

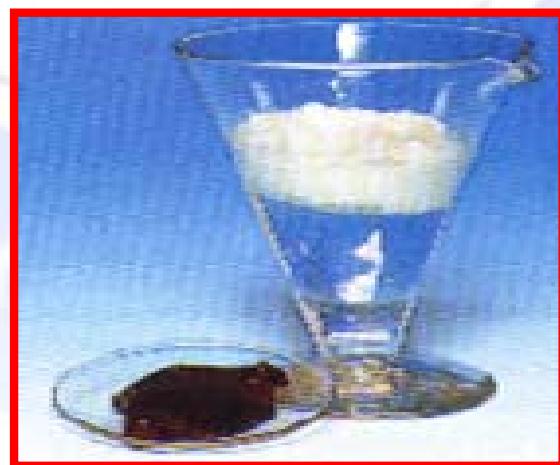


- 1
- 2

- 1
- 2

- 3

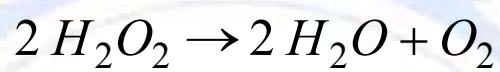
20mL



- 1
- 2

- 1

- 2



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