

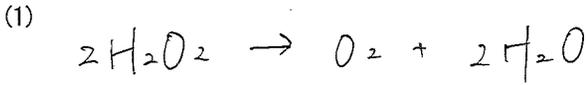
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化学解答紙 [その1]

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問題 1 の解答欄

採点欄



1-(1)

(2) $PV = nRT$
 $1.0 \times 10^5 \times 50 \times 10^{-3} = n \times 8.3 \times 10^3 \times (273 + 27)$
 $n = 2.00 \times 10^{-3}$

1-(2)

答 $2.0 \times 10^{-3} \text{ (mol/L)}$

(3) $\Delta C = \frac{-2.00 \times 10^{-3} \times 2}{10 \times 10^{-3}}$
 $= -4.00 \times 10^{-1}$

1-(3)

答 $-4.0 \times 10^{-1} \text{ (mol/L)}$

(4) $\bar{u} = \frac{\Delta C}{\Delta t}$
 $= \frac{4.00 \times 10^{-1}}{40}$
 $= 1.00 \times 10^{-2}$

1-(4)

答 $1.0 \times 10^{-2} \text{ (mol/Ls)}$

(5) $\bar{u} = k [\text{H}_2\text{O}_2]$
 $1.00 \times 10^{-2} = k \times \frac{0.80 + (0.80 - 4.00 \times 10^{-1})}{2}$
 $k = 1.66 \times 10^{-2}$

1-(5)

答 $1.7 \times 10^{-2} \text{ (1/s)}$

(6)

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1-(6)

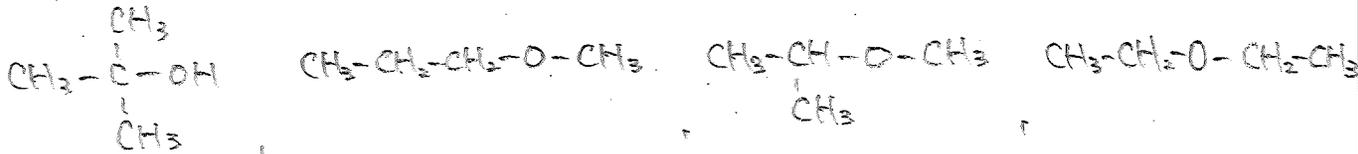
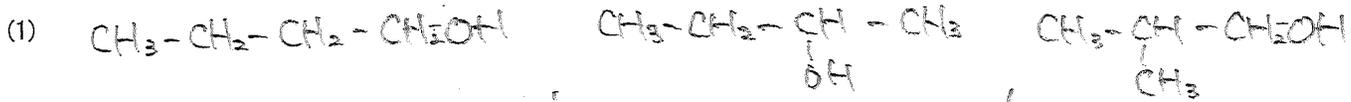
その1 計

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化学解答紙 [その4]

問題 4 の解答欄

採点欄



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| 4-(1) |
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(2) 計算式



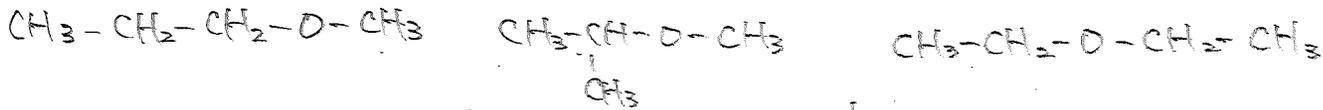
(a) $\frac{1}{74} \times 5 \times 18 \doteq 1.21$

(b) $\frac{1}{74} \times 4 \times 44 \doteq 2.37$

(a) 1.2g (b) 2.4g

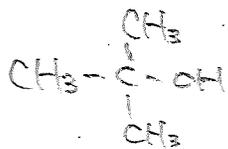
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| 4-(2) |
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(3)



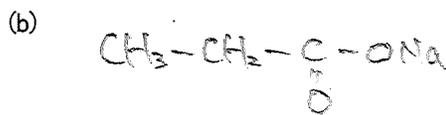
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| 4-(3) |
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(4)



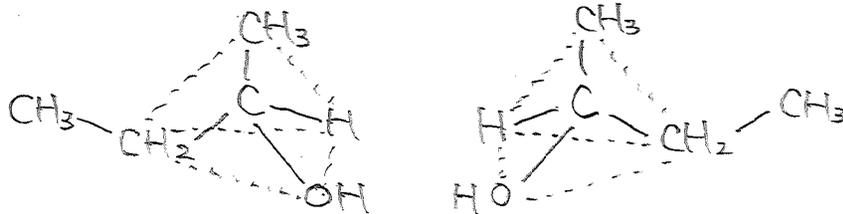
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| 4-(4) |
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(5)



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| 4-(5) |
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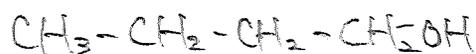
(6)



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| 4-(6) |
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| 4-(7) |
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(7)



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| その4 計 |
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