

II ()

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1.

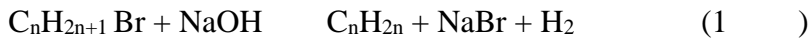
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1	2	3	4	5	6	7	8	9	10
4	3	4	2	4	2	4	4	3	2

- 10

2.

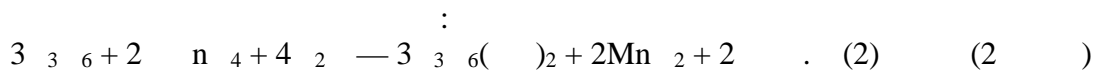
1.



$$M(C_nH_{2n}) = 1,5 \cdot 28 = 42$$

$$14n = 42; n = 3$$

2.



3.

$$n(KMnO_4) = 0,1 \cdot 0,5 = 0,05$$

$$n(C_3H_8O_2) = 4,74 / 158 = 0,03$$

$$n(C_3H_8O_4) = 0,05 - 0,03 = 0,02$$

4.

$$n(C_3H_6) = n(C_3H_8O_4) \cdot 3/2 = 0,03$$

5.

$$(1) n(C_3H_{2n+1}) = n(C_3H_6) = 0,03$$

$$m(C_3H_{2n+1}) = 123 \cdot 0,03 = 3,69$$

$$m(C_3H_{2n}) = 3,69$$

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3.

1.

$$(12 + 1 + 45) / \dots$$

2.

$$0,0877 = +1/12 + +45 \dots$$

3.

4.

5.

6.

7.

$$\dots = 5; \dots = 9$$

- 8

4.

- 1) $\text{H}_3\text{COONa} + \text{NaOH} \rightarrow \text{CH}_4 + \text{Na}_2\text{CO}_3$ (1)
- 2) $2 \text{H}_2 + \text{C}_2\text{H}_2 + 3\text{H}_2$ (1)
- 3) $2\text{H}_2 + \text{H}_2\text{O} \rightarrow \text{CH}_3\text{CHO}$ (1)
- 4) $\text{H}_3\text{CHO} + \text{O}_2 \rightarrow \text{CH}_3\text{COOH} + 2 \text{H}_2\text{O}$ (1)
- 5) $\text{H}_3\text{COOH} + \text{NaOH} \rightarrow \text{CH}_3\text{COONa} + \text{H}_2\text{O}$ (1)
- 6) $2 \text{H}_3\text{COONa} + 2\text{H}_2\text{O} \rightarrow \text{C}_2\text{H}_6 + 2\text{CO}_2 + 2\text{NaOH}$
 $2\text{H}_6 + 2\text{NaHCO}_3$ (2)

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5.

- 1) (II) $\text{C}_2\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_2\text{H}_5\text{COONa} + \text{H}_2\text{O}$ (-1)
- 2) (II) $\text{C}_2\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_2\text{H}_5\text{COONa} + \text{H}_2\text{O}$ (-2 , 2 -)
- 3) $\text{C}_2\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_2\text{H}_5\text{COONa} + \text{H}_2\text{O}$ (-2)
- 4) $\text{C}_2\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_2\text{H}_5\text{COONa} + \text{H}_2\text{O}$ (1)
- 5) $\text{C}_2\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_2\text{H}_5\text{COONa} + \text{H}_2\text{O}$ (1)

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- 1). (II) $\text{C}_2\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_2\text{H}_5\text{COONa} + \text{H}_2\text{O}$ (1)
- 2). $\text{C}_2\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_2\text{H}_5\text{COONa} + \text{H}_2\text{O}$ (1)
- 3). $\text{C}_2\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_2\text{H}_5\text{COONa} + \text{H}_2\text{O}$ (1)
- 4). (II) $\text{C}_2\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_2\text{H}_5\text{COONa} + \text{H}_2\text{O}$ (-1)
- 5) $\text{C}_2\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_2\text{H}_5\text{COONa} + \text{H}_2\text{O}$ (II) (-1 , 2 -)
 $\text{C}_2\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_2\text{H}_5\text{COONa} + \text{H}_2\text{O}$ (-2)

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