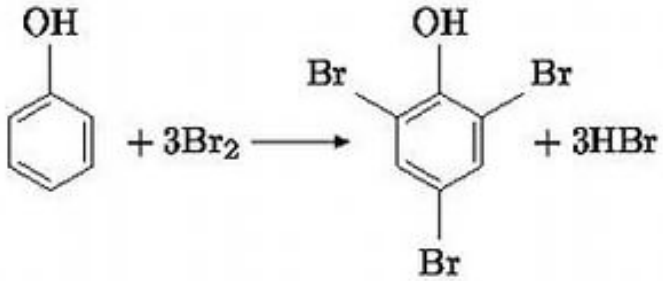
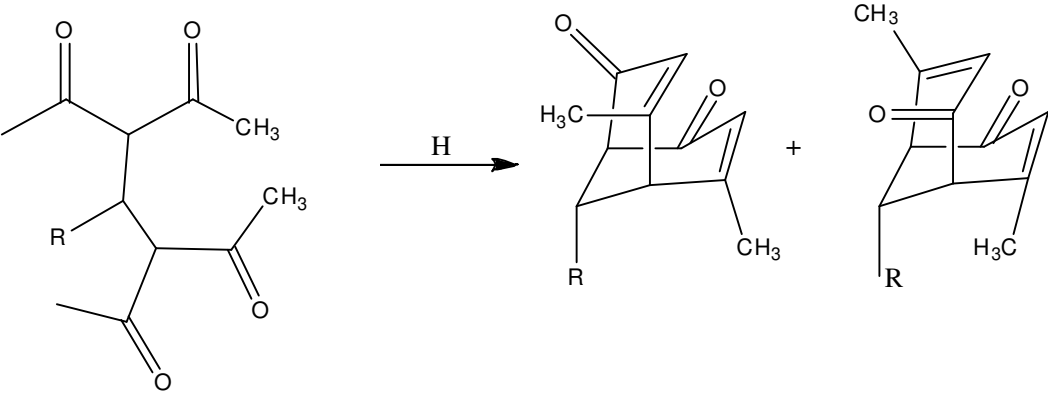
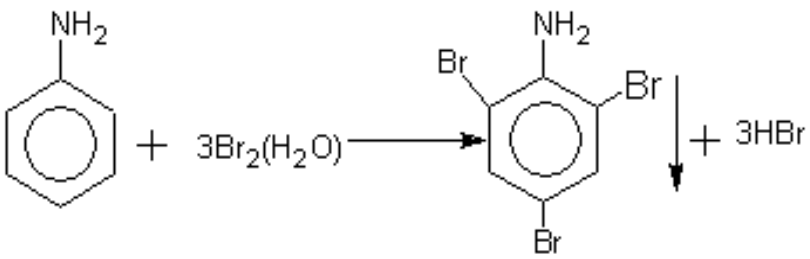
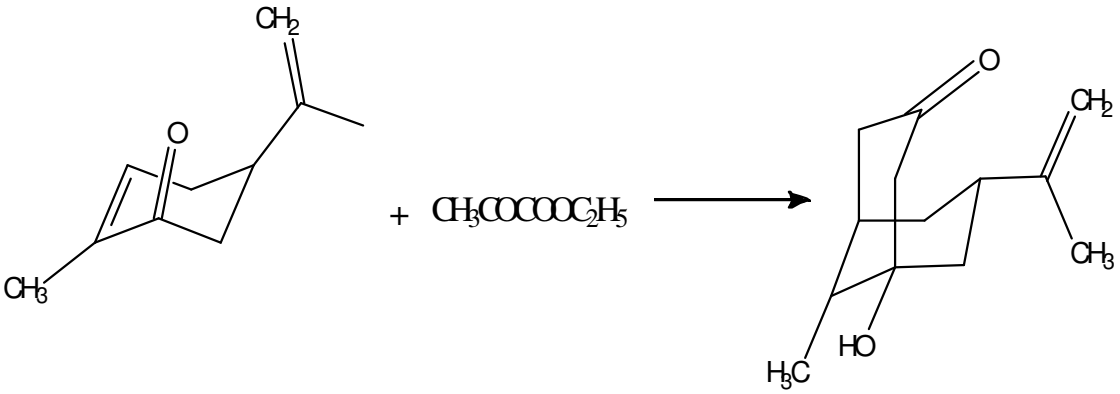


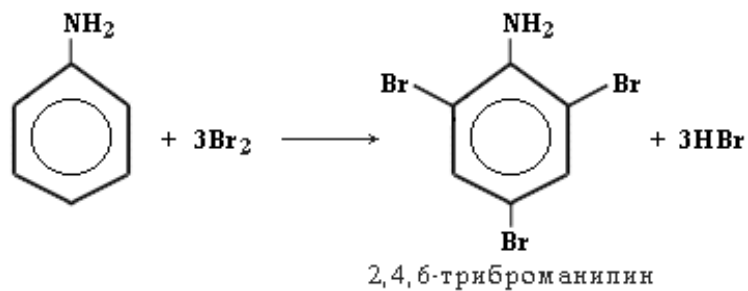
Додаток В. Індивідуальні завдання лабораторної роботи №2

Набір індивідуальних варіантів 1

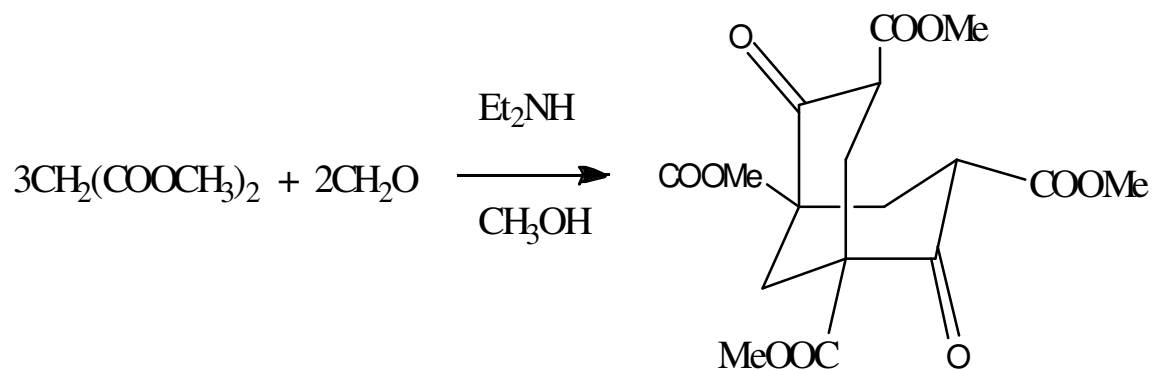
Варіант 1	
а)	
б)	
Варіант 2	
а)	
б)	

Варіант 3

a)

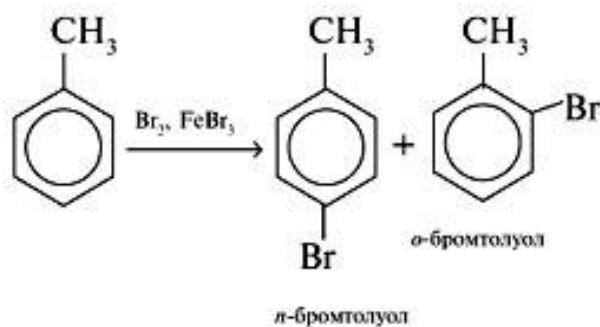


б)

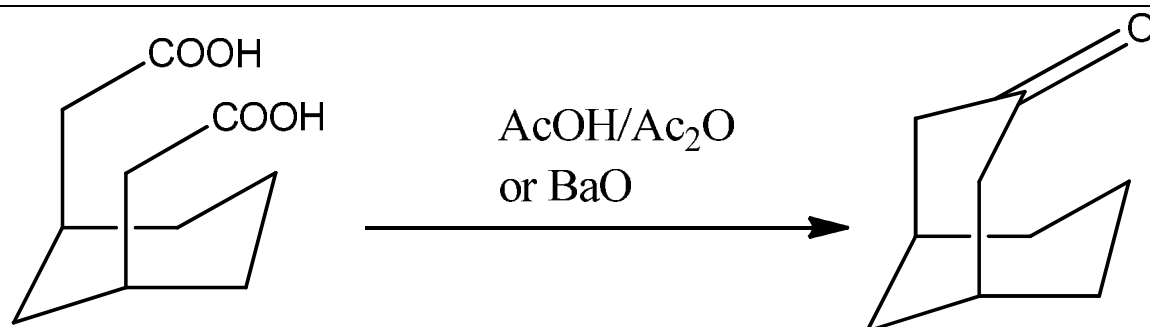


Варіант 4

a)



б)

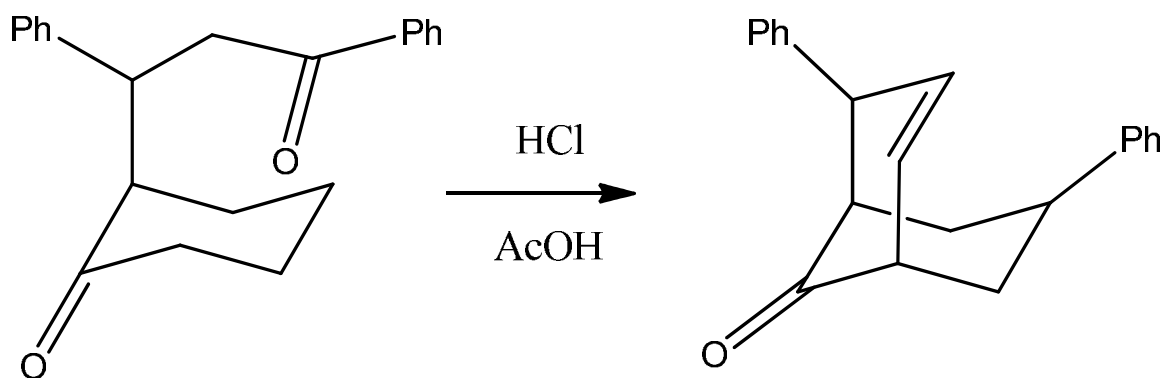


Вариант 5

a)

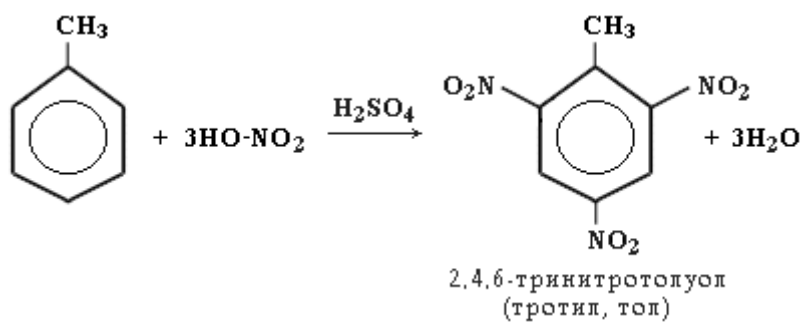


б)

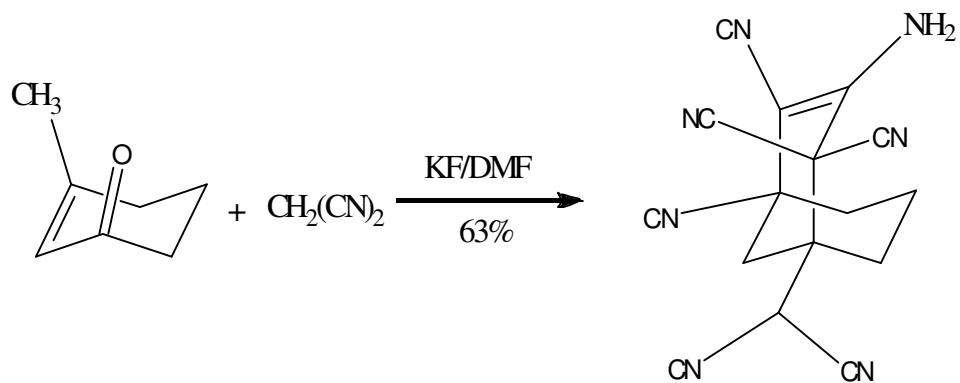


Вариант 6

a)

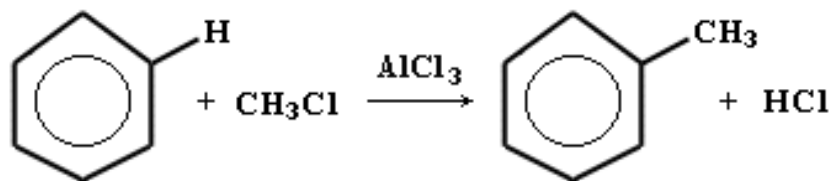


б)

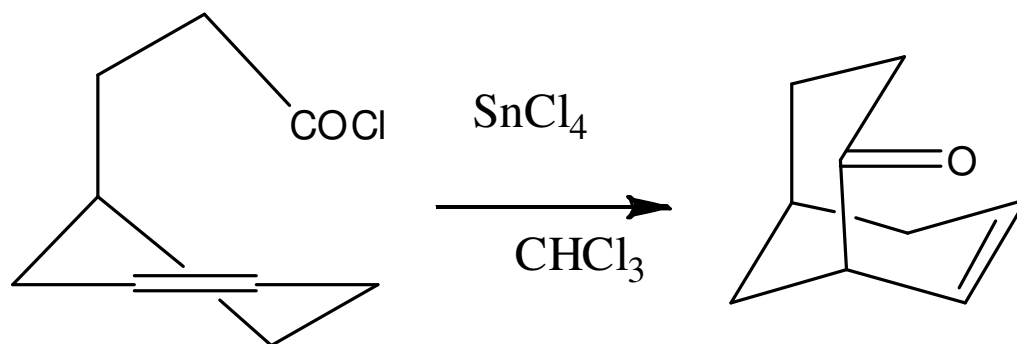


Варіант 7

a)

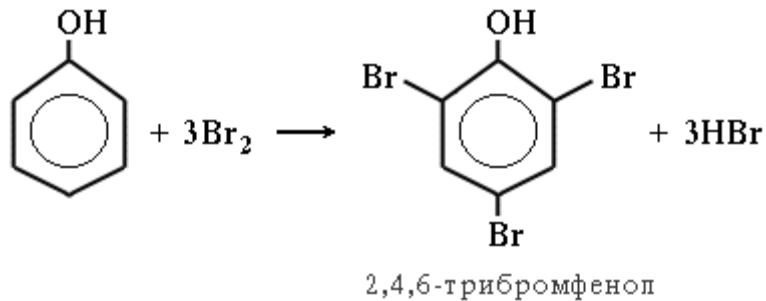


б)

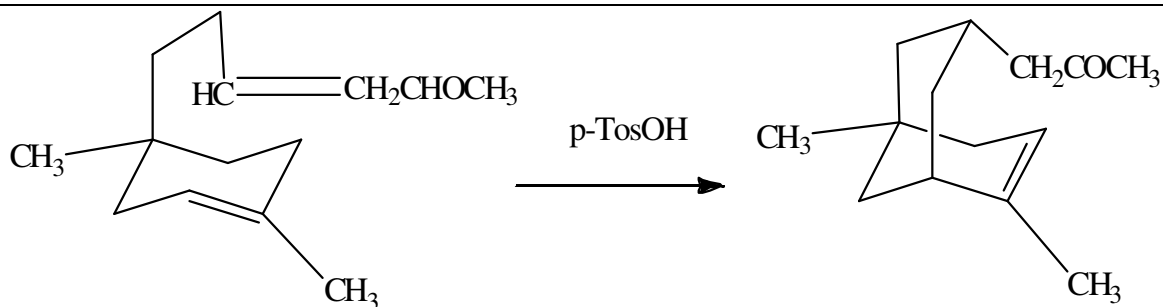


Варіант 8

a)

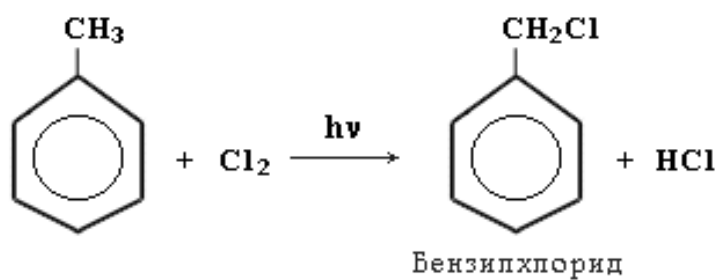


б)

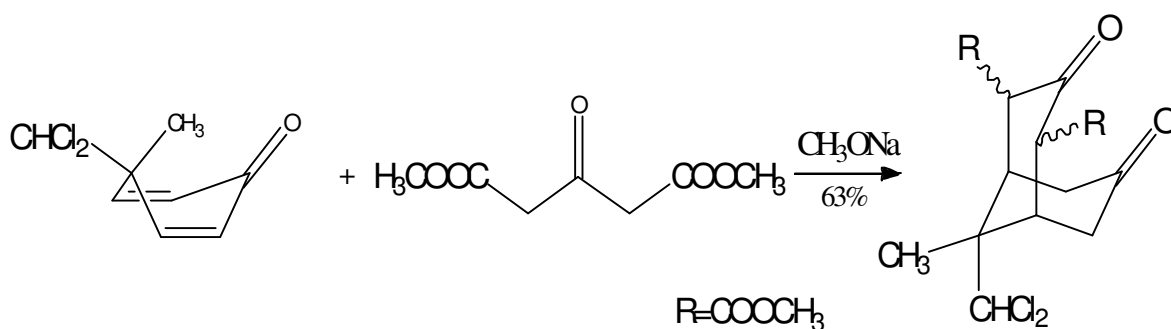


Вариант 9

а)

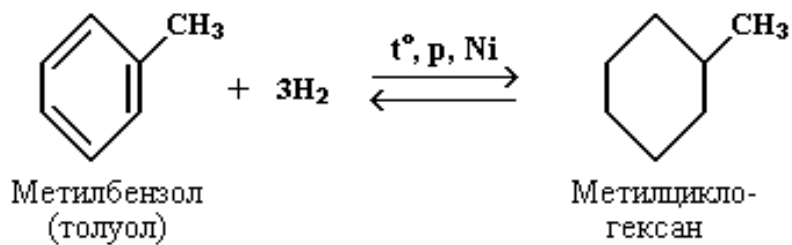


б)

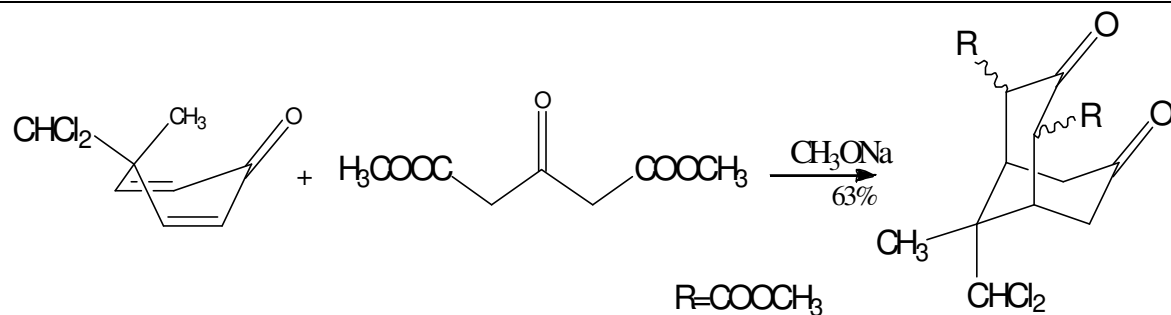


Вариант 10

а)

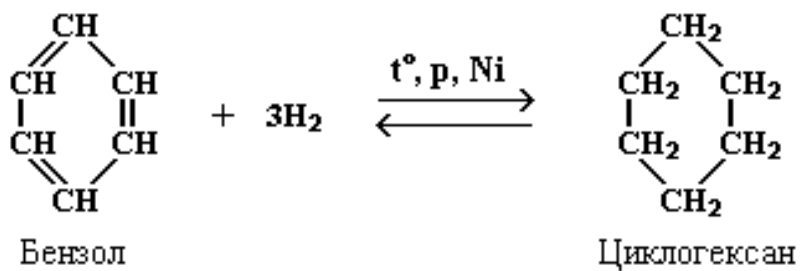


б)

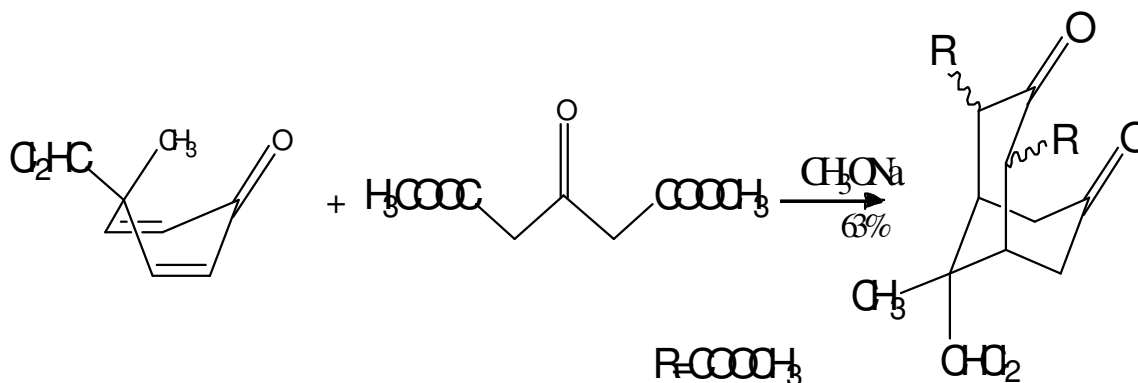


Вариант 11

а)

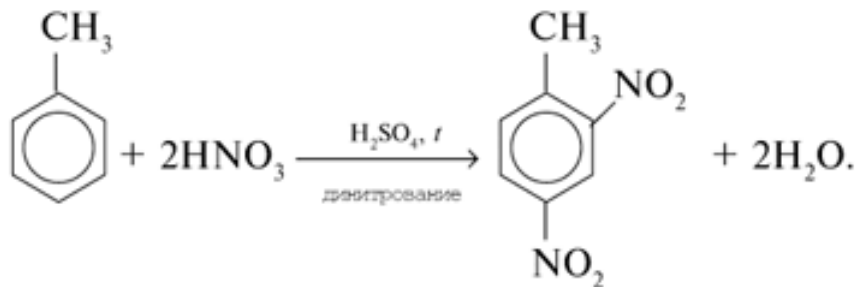


б)

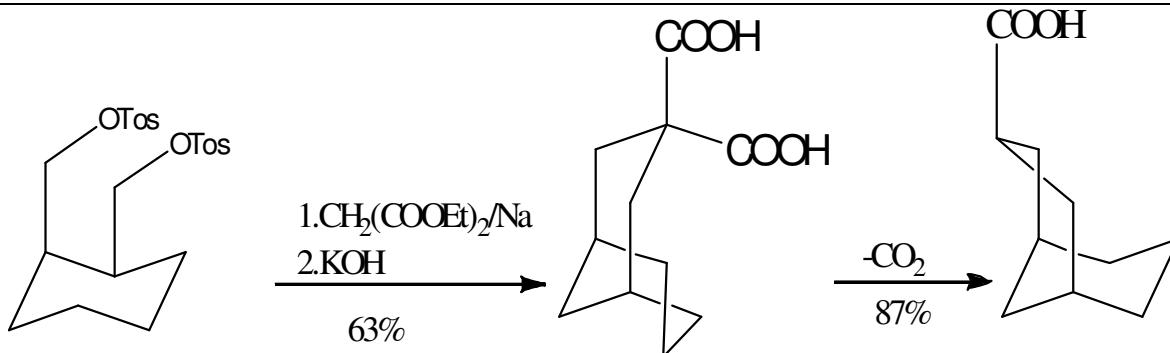


Вариант 12

а)

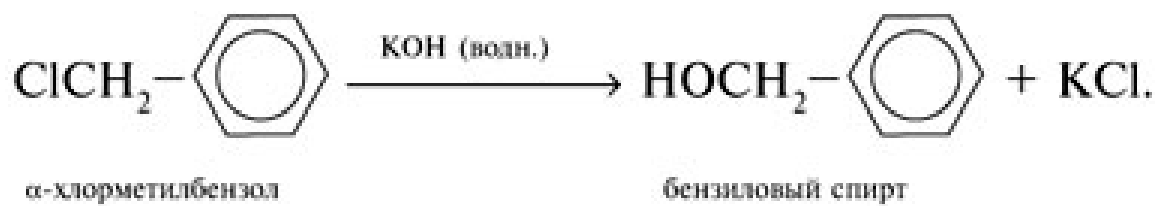


б)

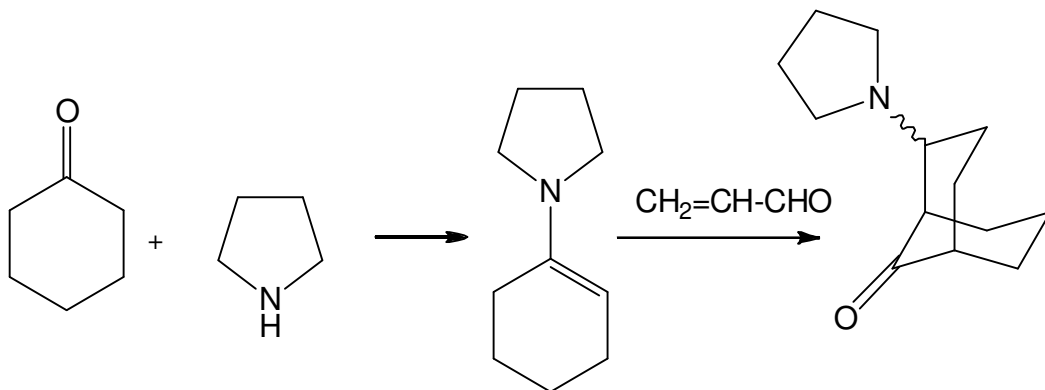


Вариант 13

а)

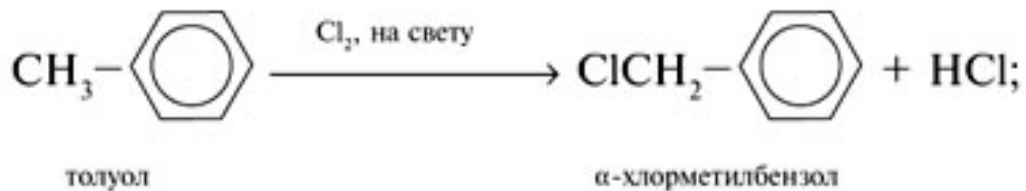


б)

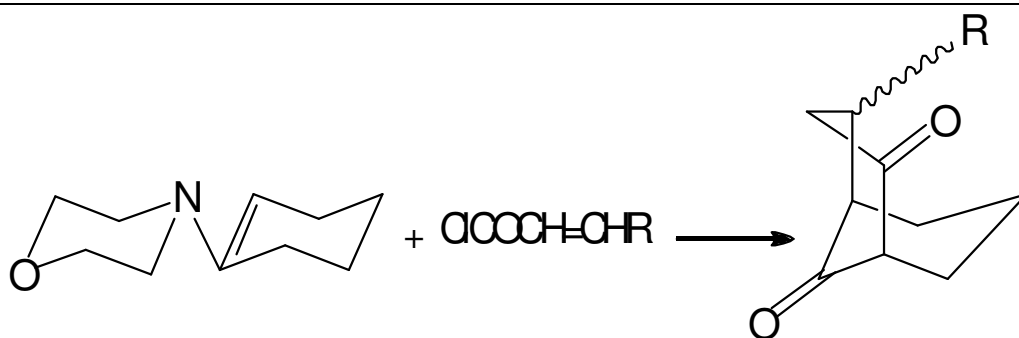


Вариант 14

а)

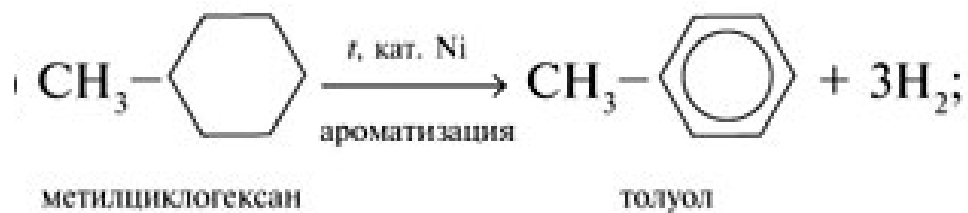


б)

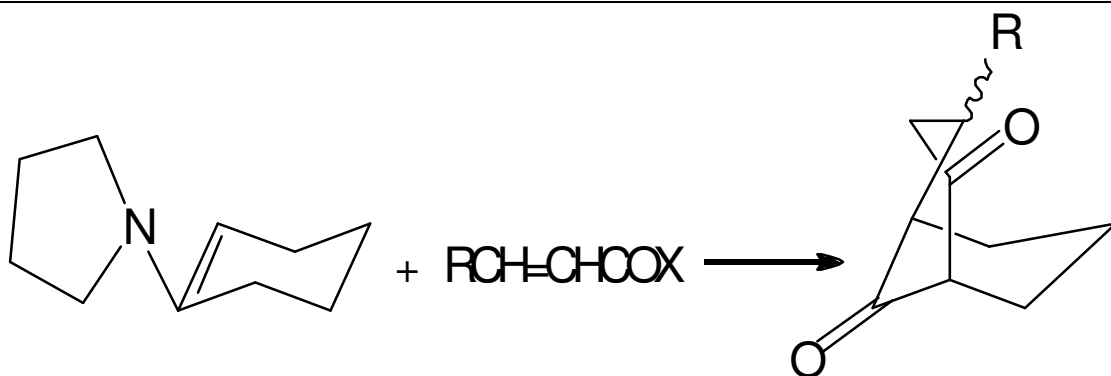


Варіант 15

а)

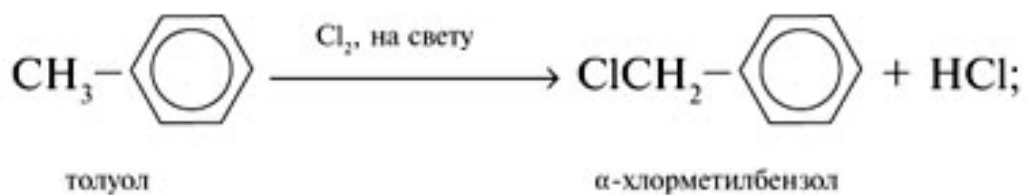


б)

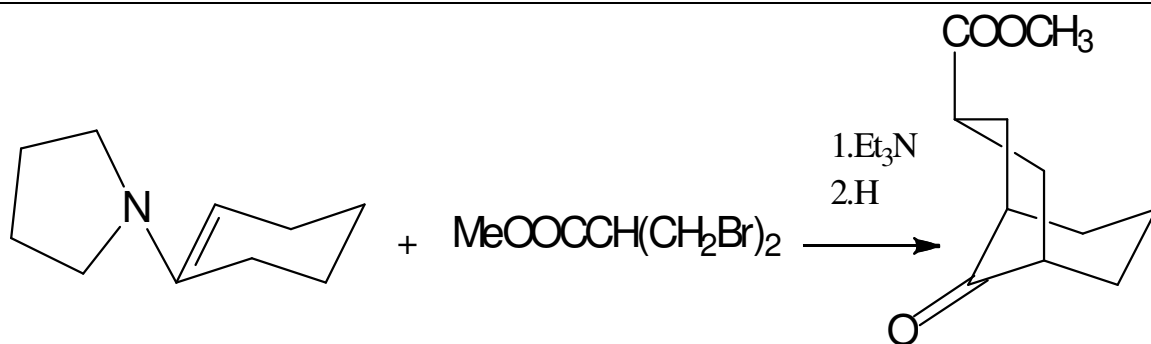


Варіант 16

а)

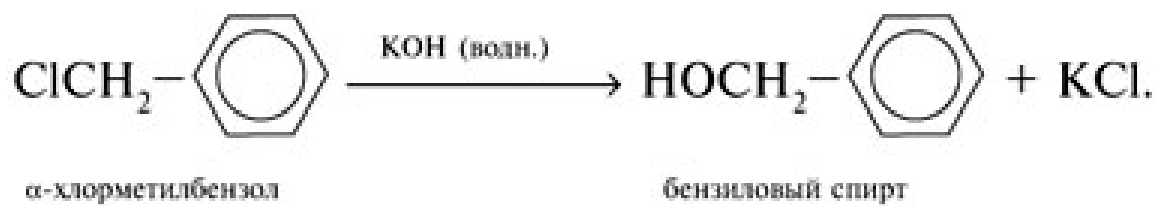


б)

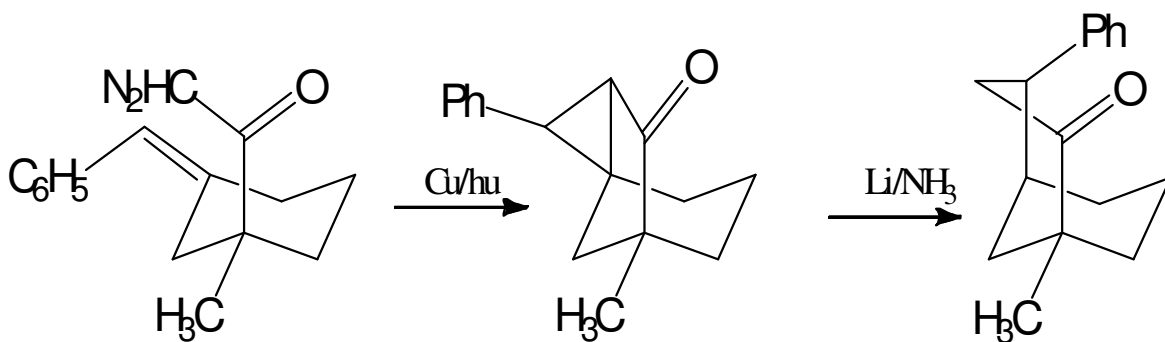


Вариант 17

а)

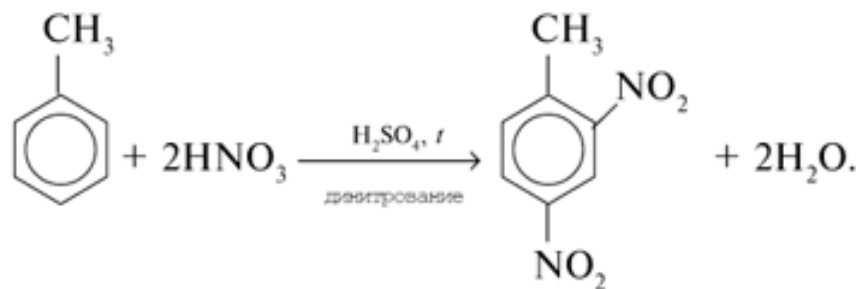


б)

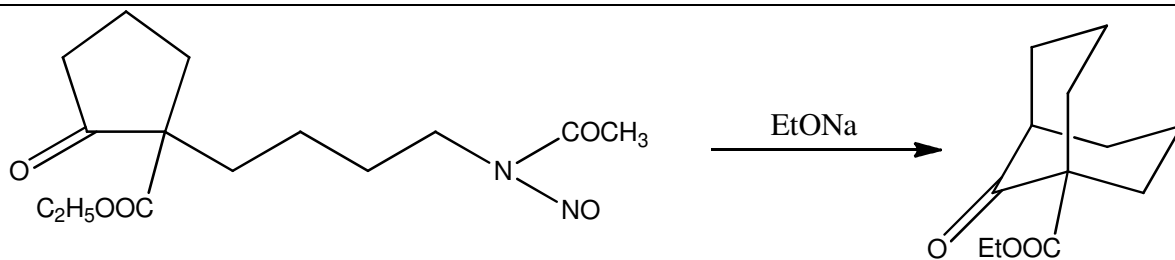


Вариант 18

а)

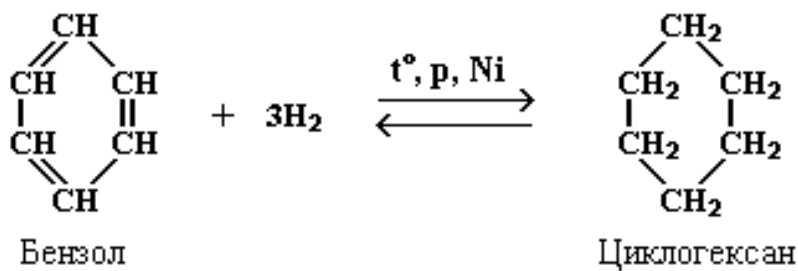


б)

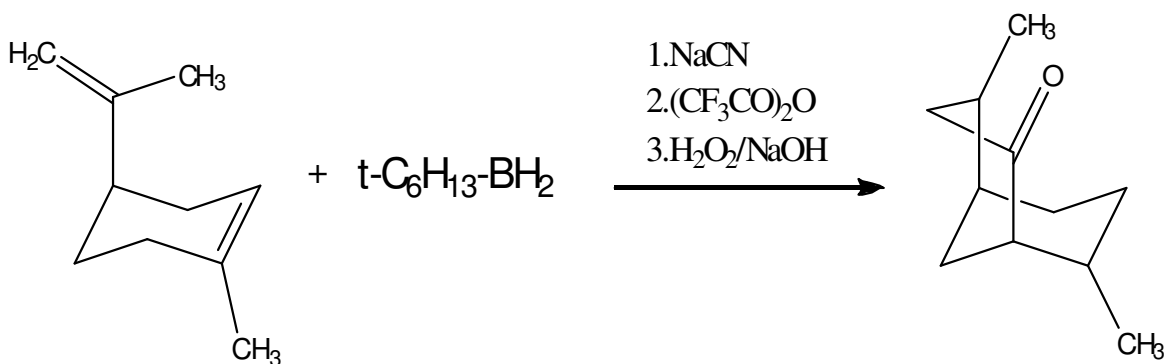


Варіант 19

a)

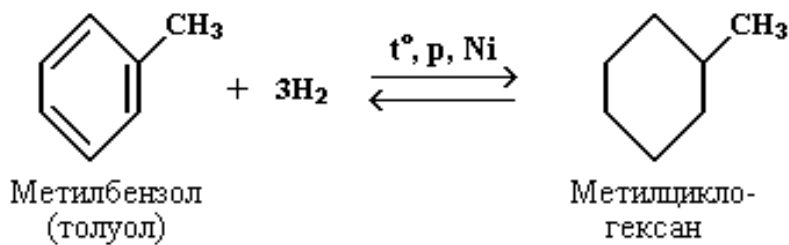


б)

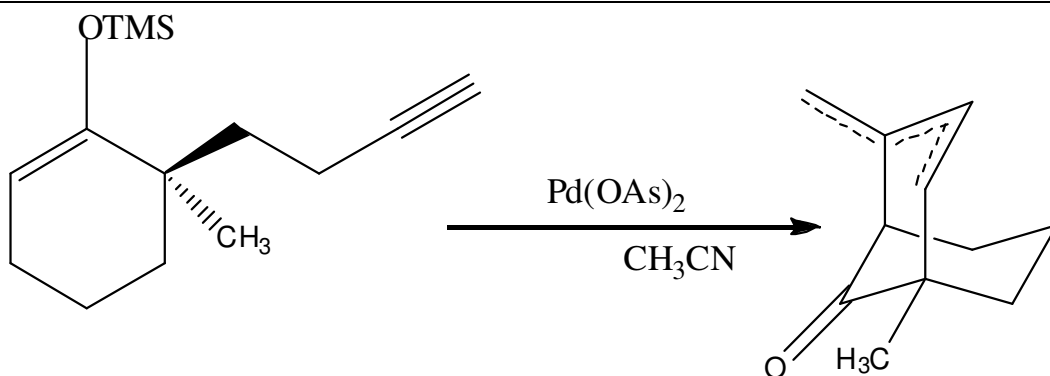


Варіант 20

a)

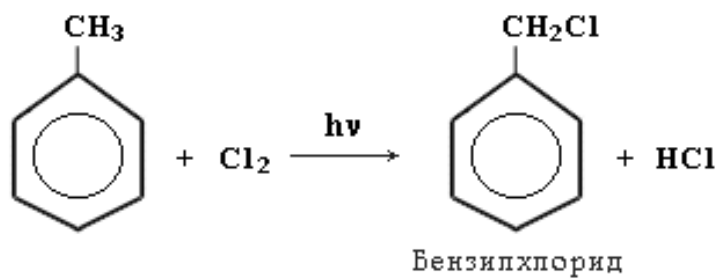


б)

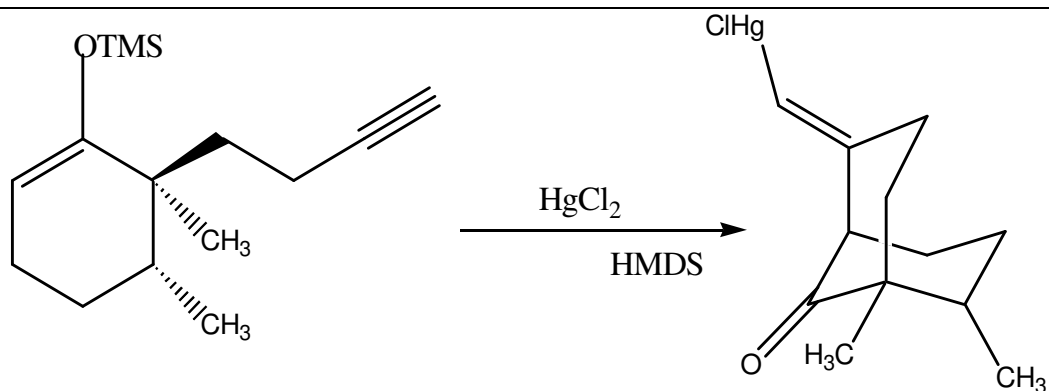


Варіант 21

a)

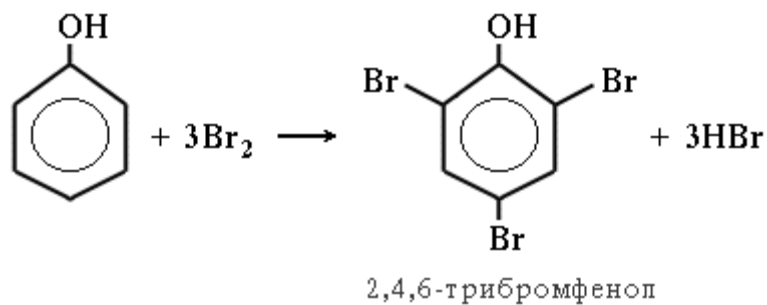


б)

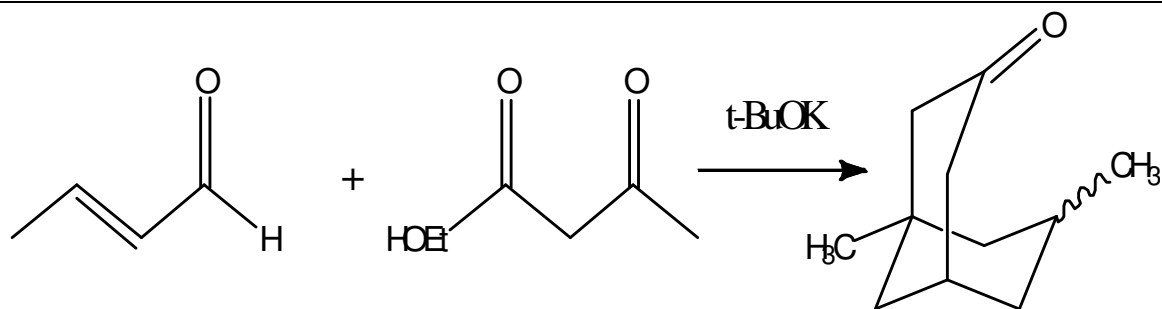


Варіант 22

a)

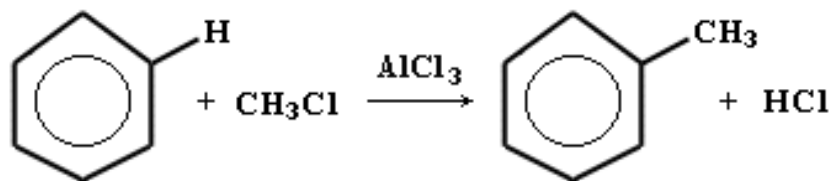


б)

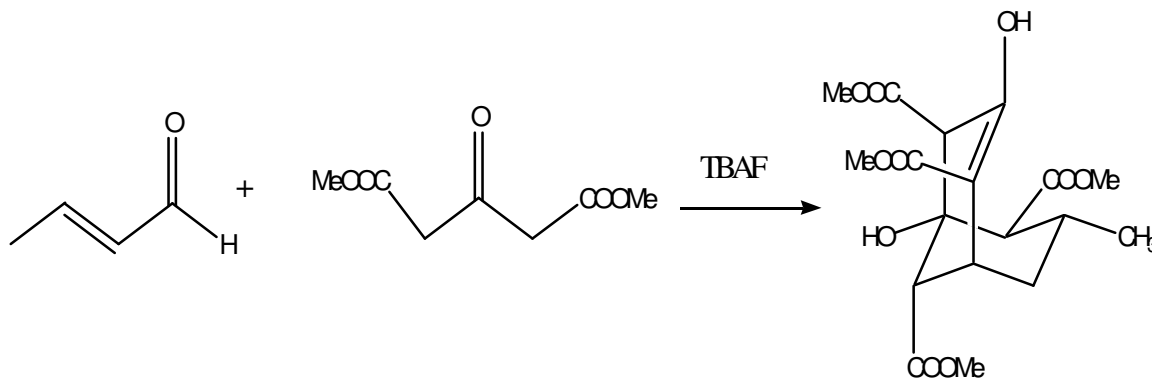


Варіант 23

a)

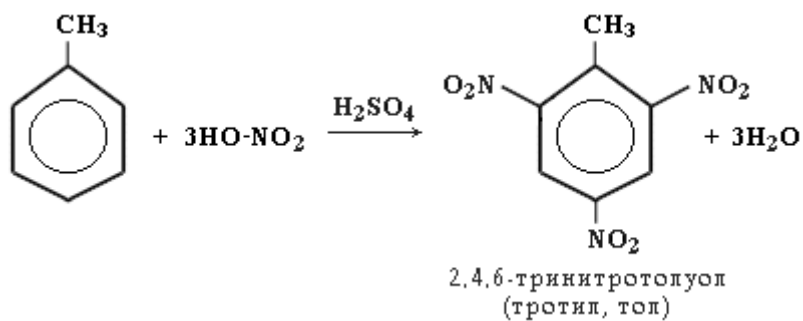


б)

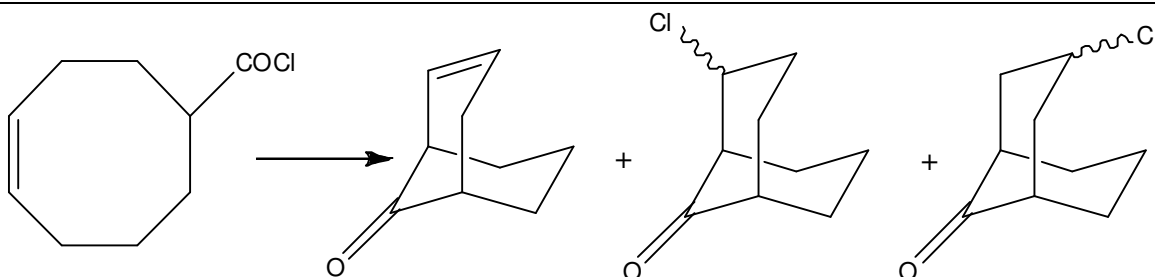


Варіант 24

a)

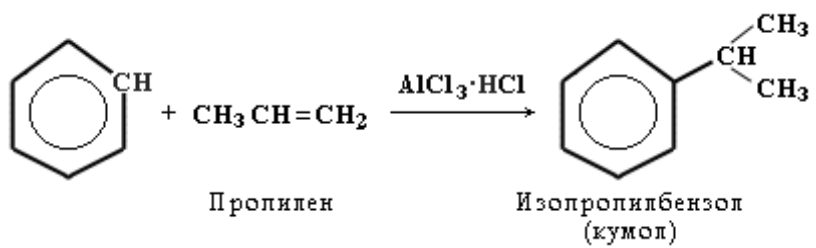


б)

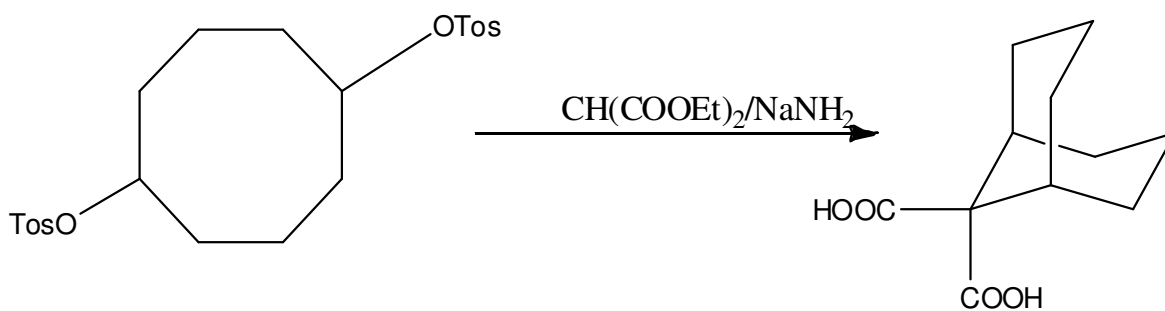


Вариант 25

а)

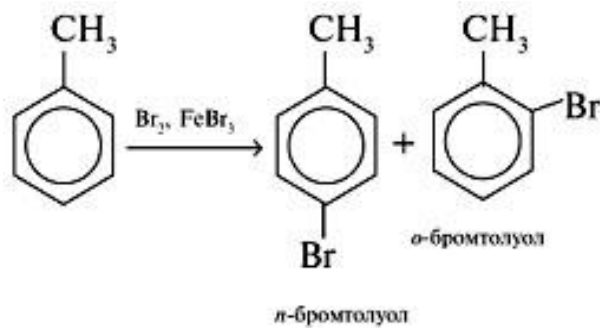


б)

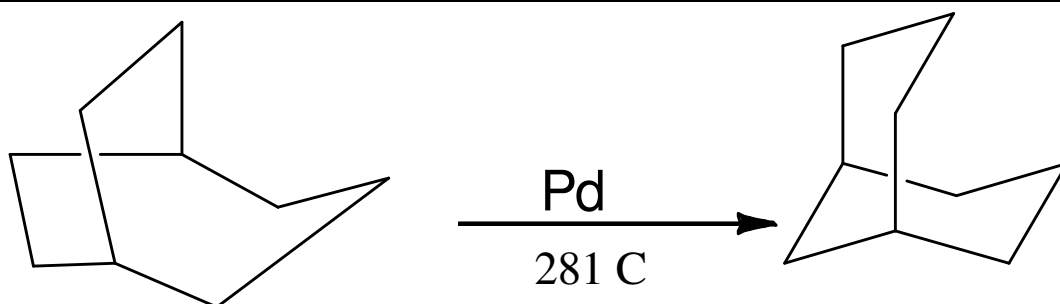


Вариант 26

а)

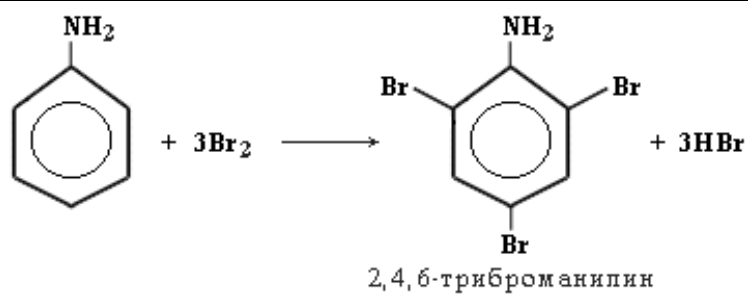


б)

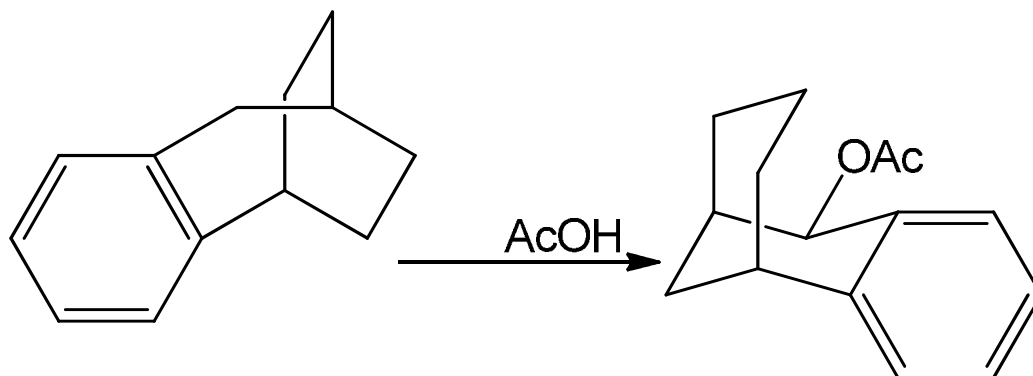


Варіант 27

a)

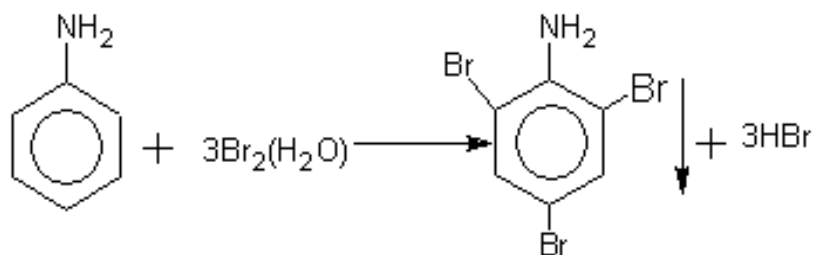


б)

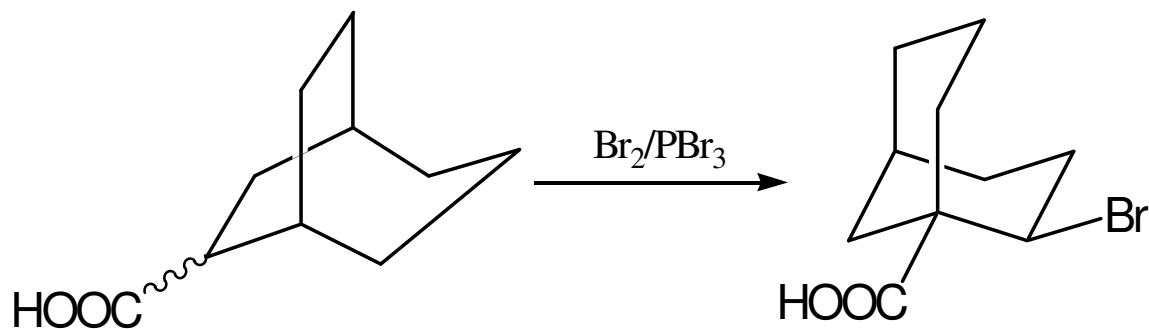


Варіант 28

a)

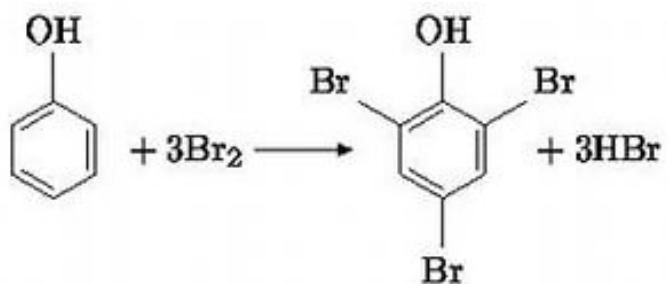


б)

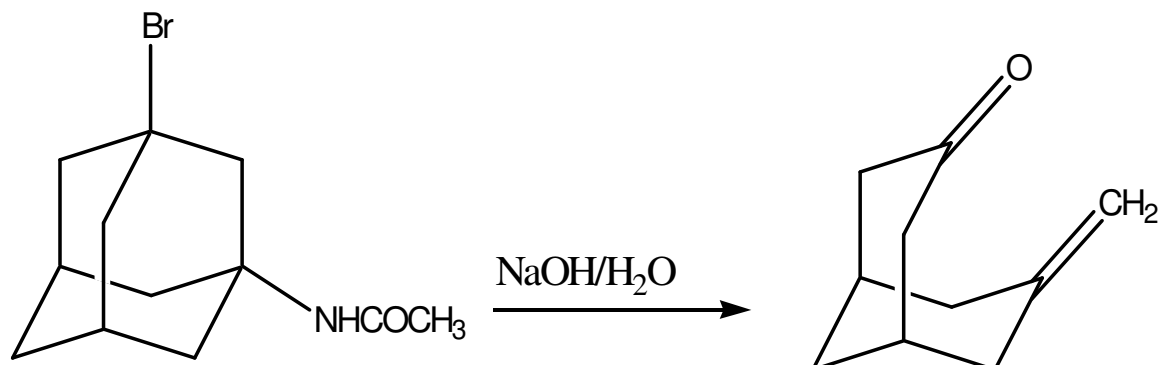


Варіант 29

a)

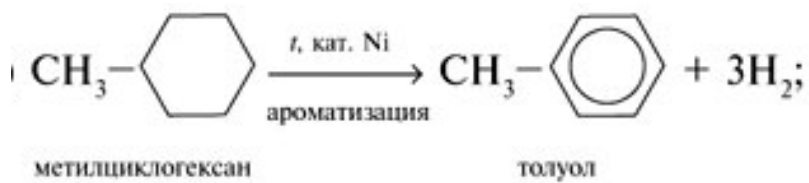


б)

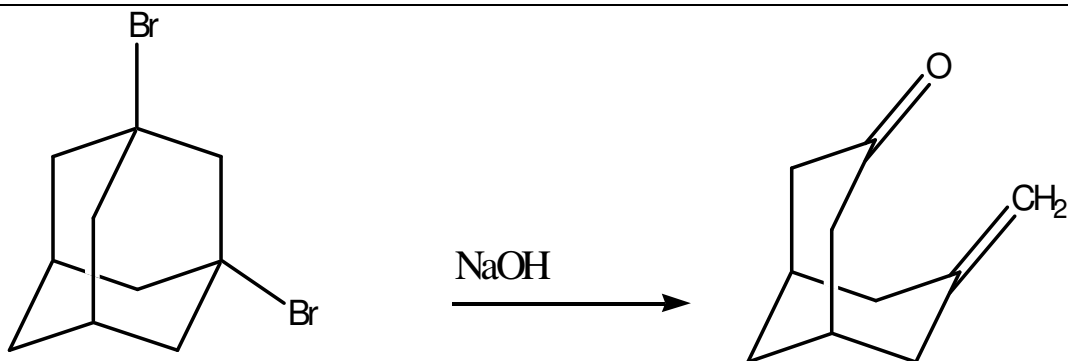


Варіант 30

a)

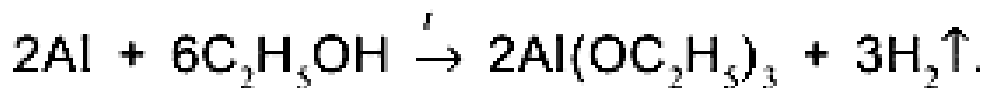


б)



Вариант 4

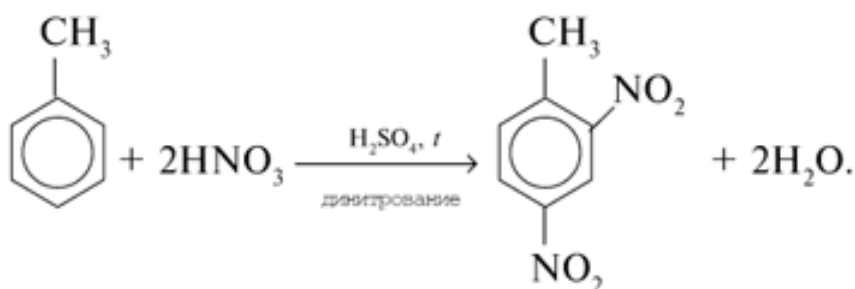
а)



этанол

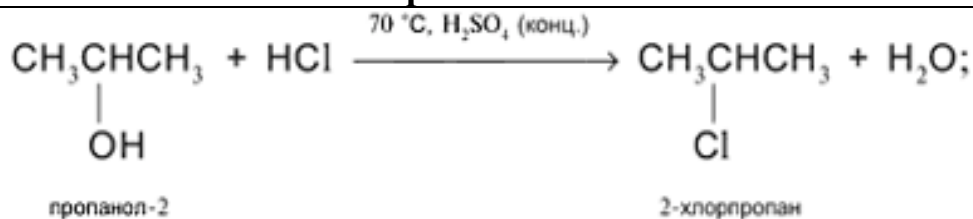
этилат алюминия

б)

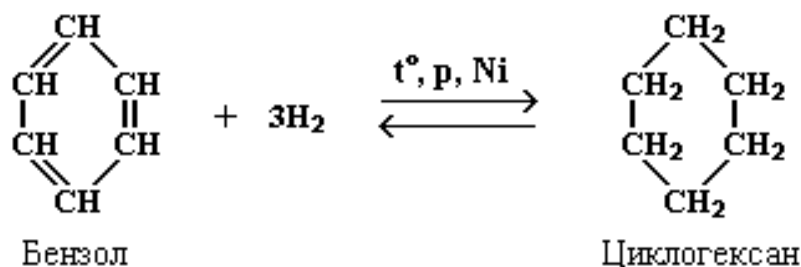


Вариант 5

а)

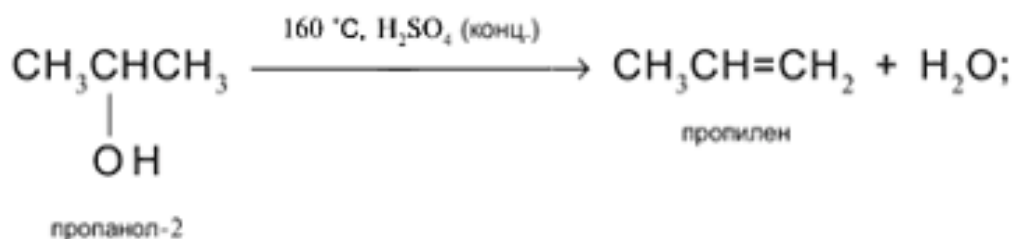


б)

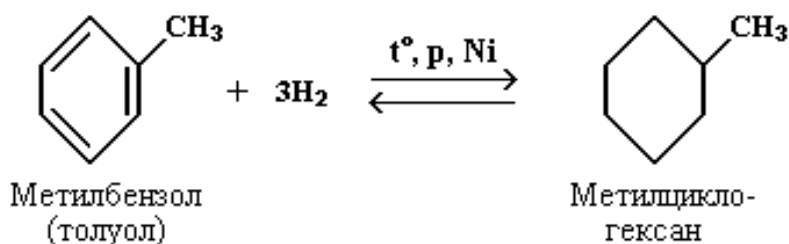


Вариант 6

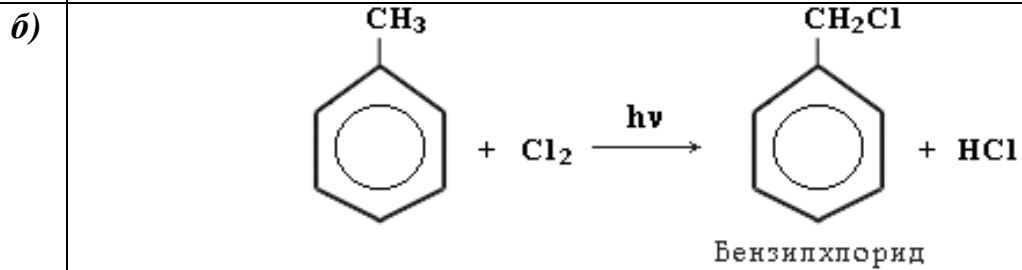
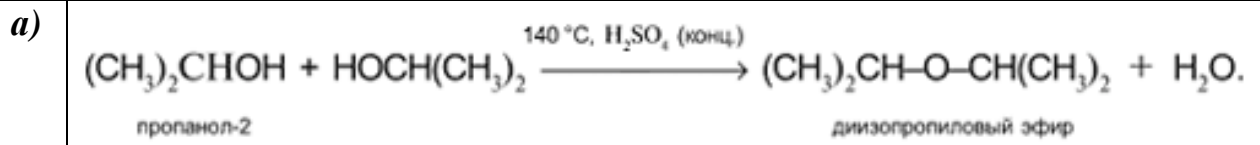
а)



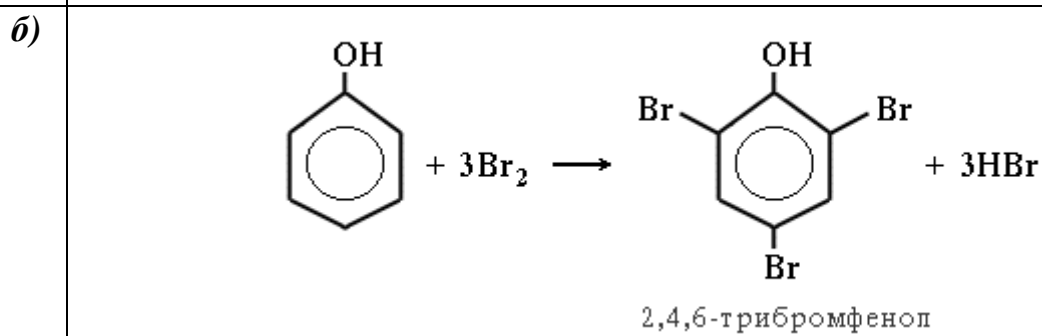
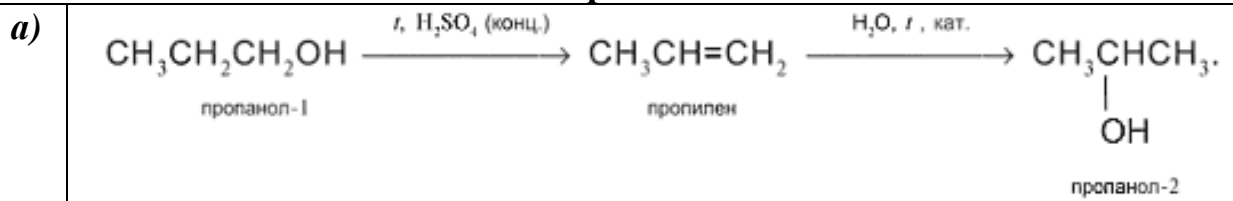
б)



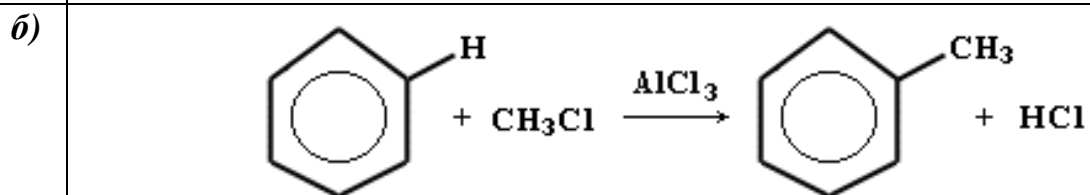
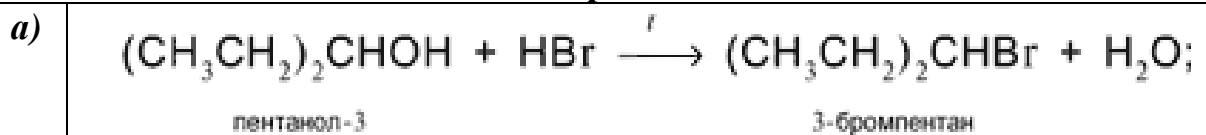
Вариант 7

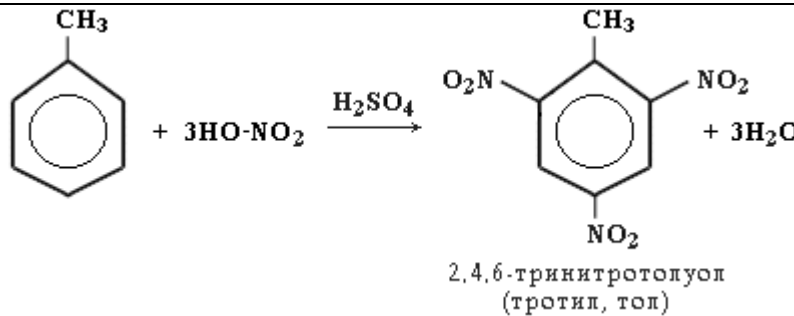
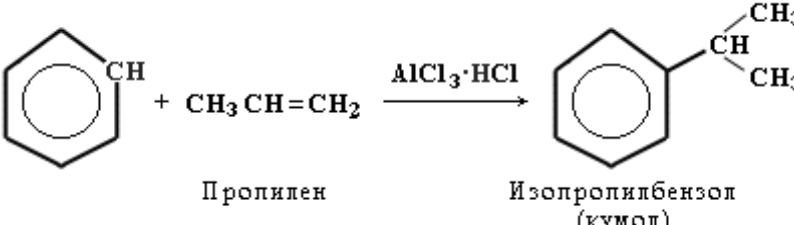
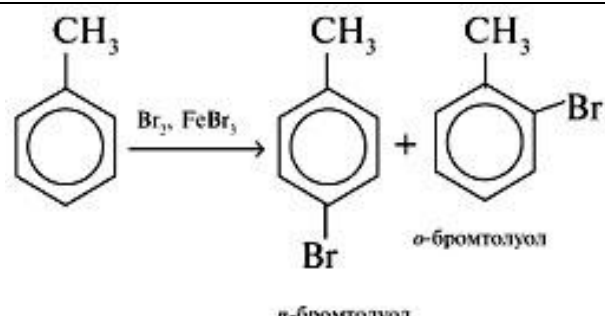


Вариант 8

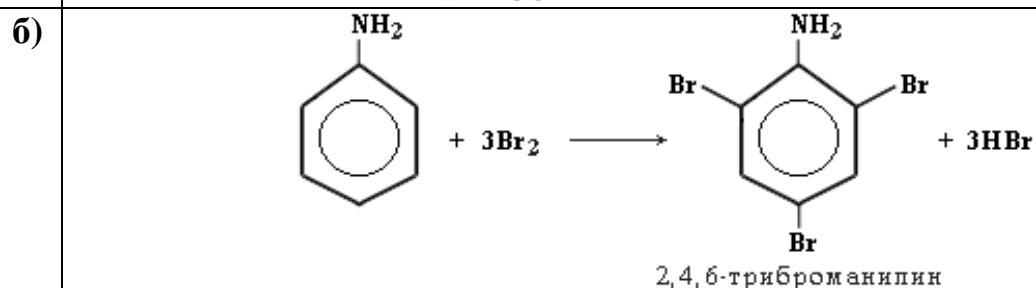
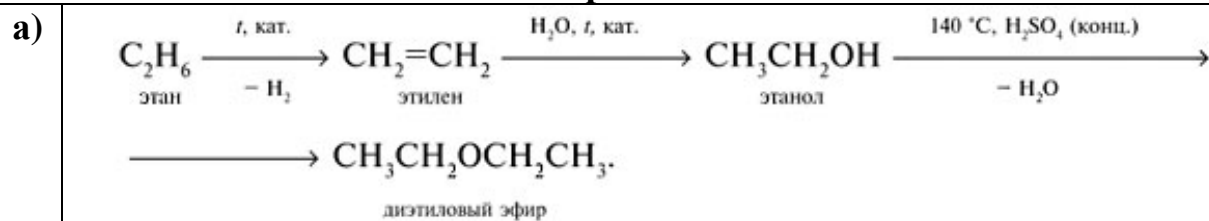


Вариант 9

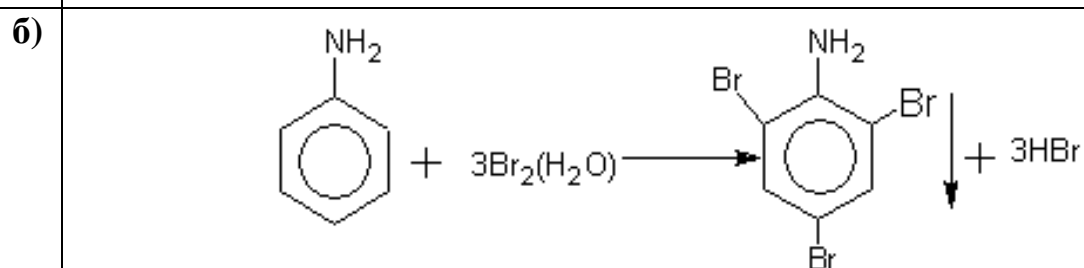
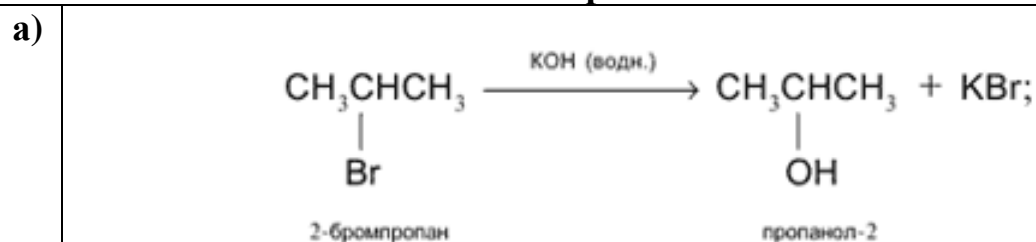


Вариант 10	
<i>a)</i>	$(\text{CH}_3\text{CH}_2)_2\text{CHOH} \xrightarrow{160\text{ }^\circ\text{C, H}_2\text{SO}_4\text{ (конц.)}} \text{CH}_3\text{CH}=\text{CHCH}_2\text{CH}_3 + \text{H}_2\text{O}$ <p style="text-align: center;">пентанол-3 пентен-2</p>
<i>б)</i>	 <p style="text-align: center;">2,4,6-тринитротолуол (тротил, тол)</p>
Вариант 11	
<i>a)</i>	$\text{CH}_3\text{OH} + \text{HOCH}_3 \xrightarrow{140\text{ }^\circ\text{C, H}_2\text{SO}_4\text{ (конц.)}} \text{CH}_3\text{OCH}_3 + \text{H}_2\text{O};$ <p style="text-align: center;">метанол диметилловый эфир</p>
<i>б)</i>	 <p style="text-align: center;">Пропилен Изопропилбензол (кумол)</p>
Вариант 12	
<i>a)</i>	$\text{CH}_3(\text{CH}_2)_2\text{CH}_2\text{OH} \xrightarrow{[\text{O}]} \text{CH}_3(\text{CH}_2)_2\text{C} \begin{array}{l} \text{=O} \\ \text{H} \end{array} + \text{H}_2\text{O}.$ <p style="text-align: center;">бутанол-1 бутаналь</p>
<i>б)</i>	 <p style="text-align: center;">п-бромтолуол о-бромтолуол</p>

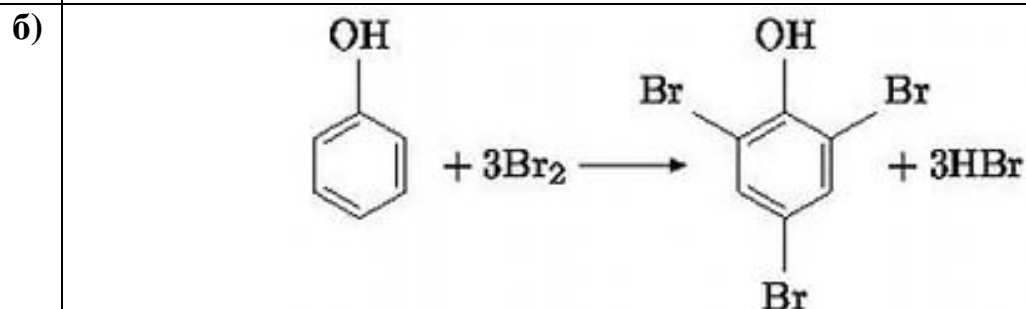
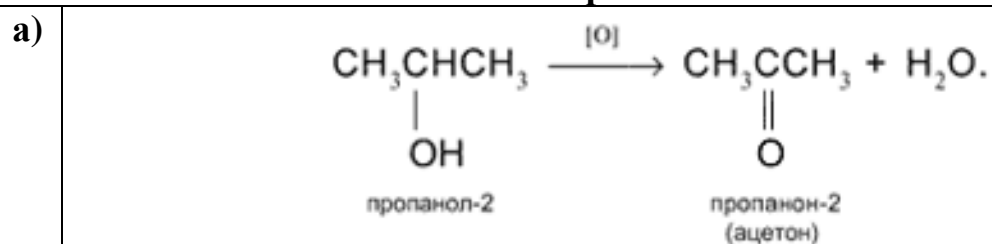
Вариант 13



Вариант 14

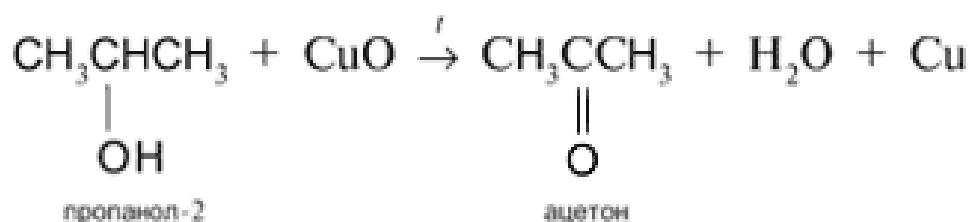


Вариант 15

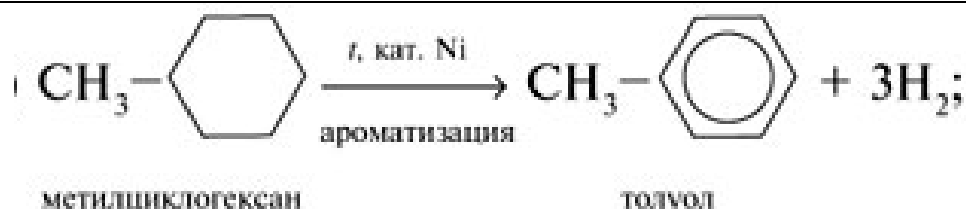


Вариант 16

а)

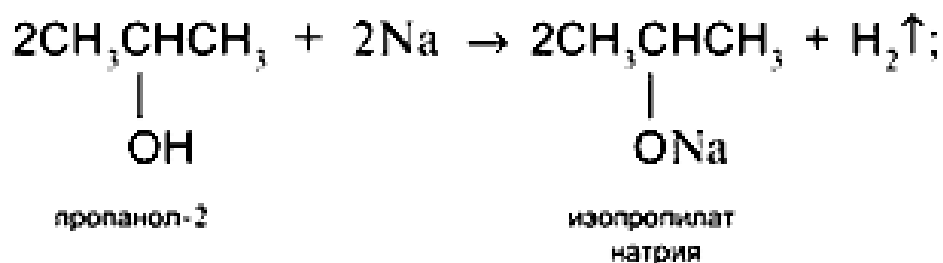


б)

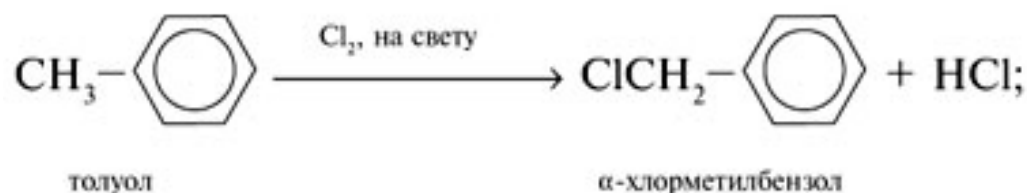


Вариант 17

а)

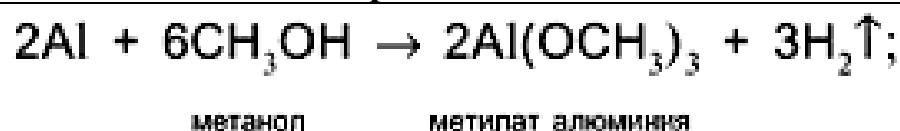


б)

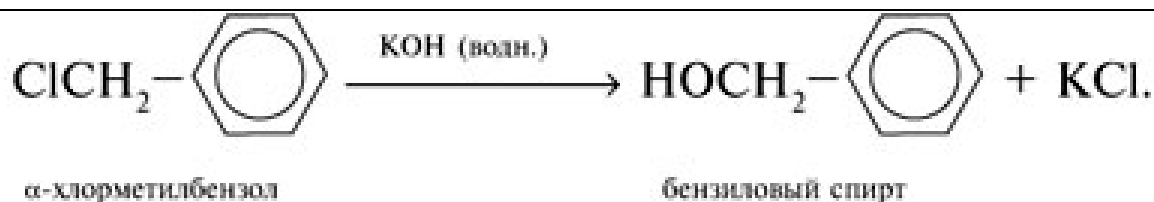


Вариант 18

а)

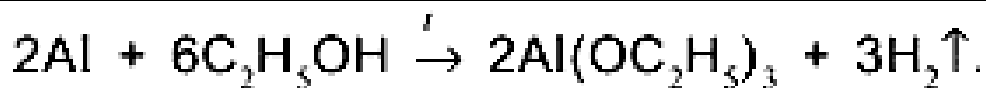


б)



Вариант 19

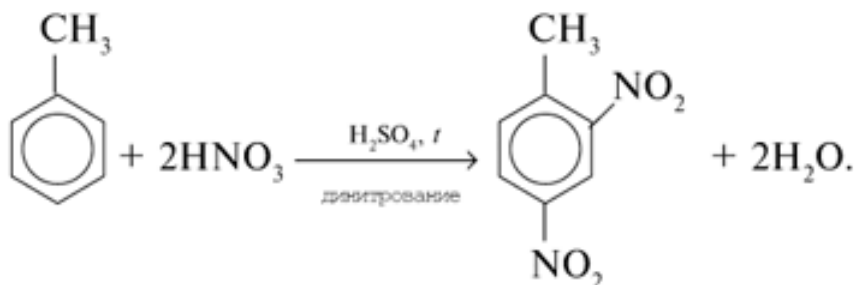
a)



этанол

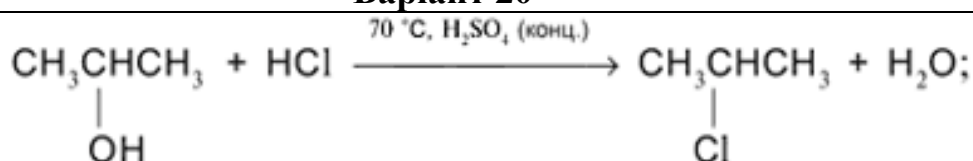
этилат алюминия

б)



Вариант 20

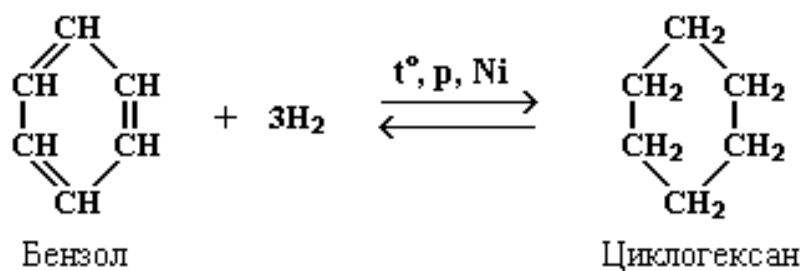
a)



пропанол-2

2-хлорпропан

б)

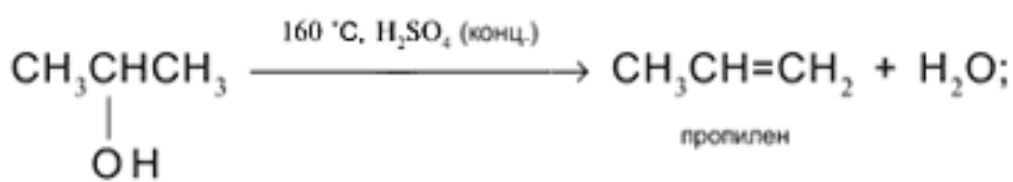


Бензол

Циклогексан

Вариант 21

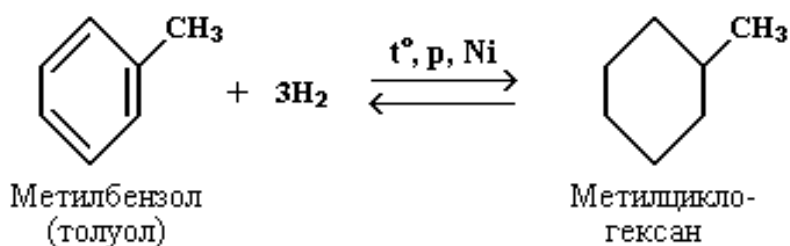
a)



пропанол-2

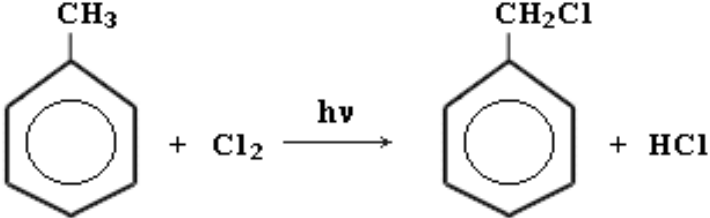
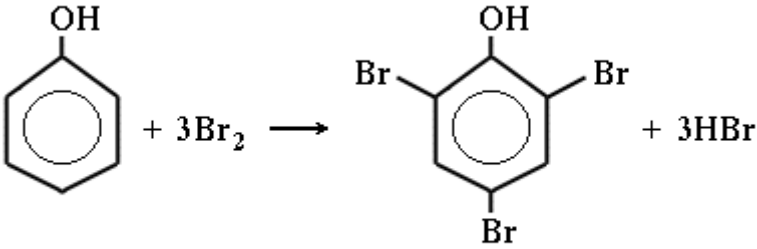
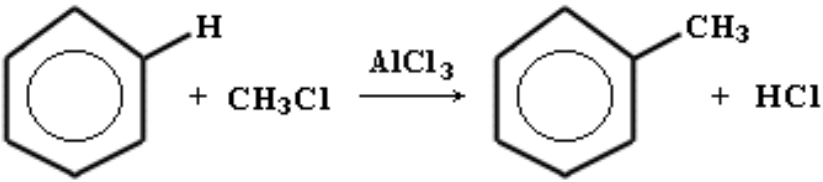
пропилен

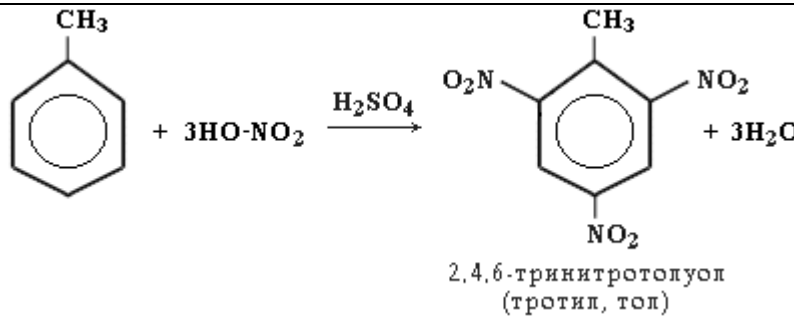
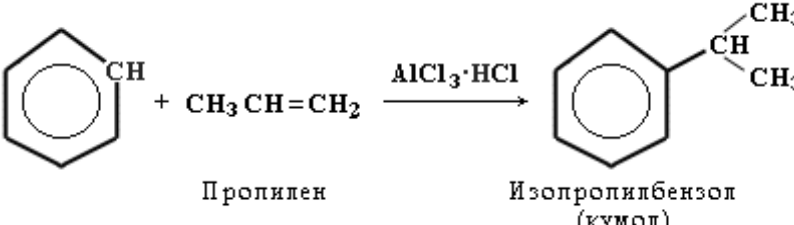
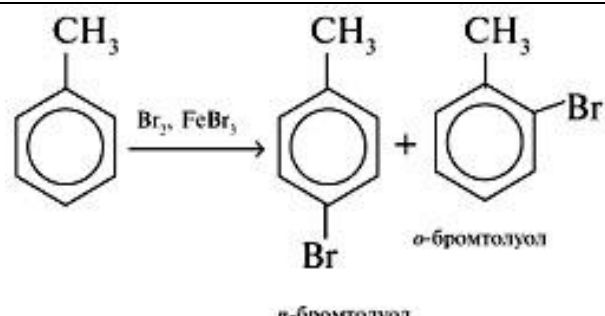
б)



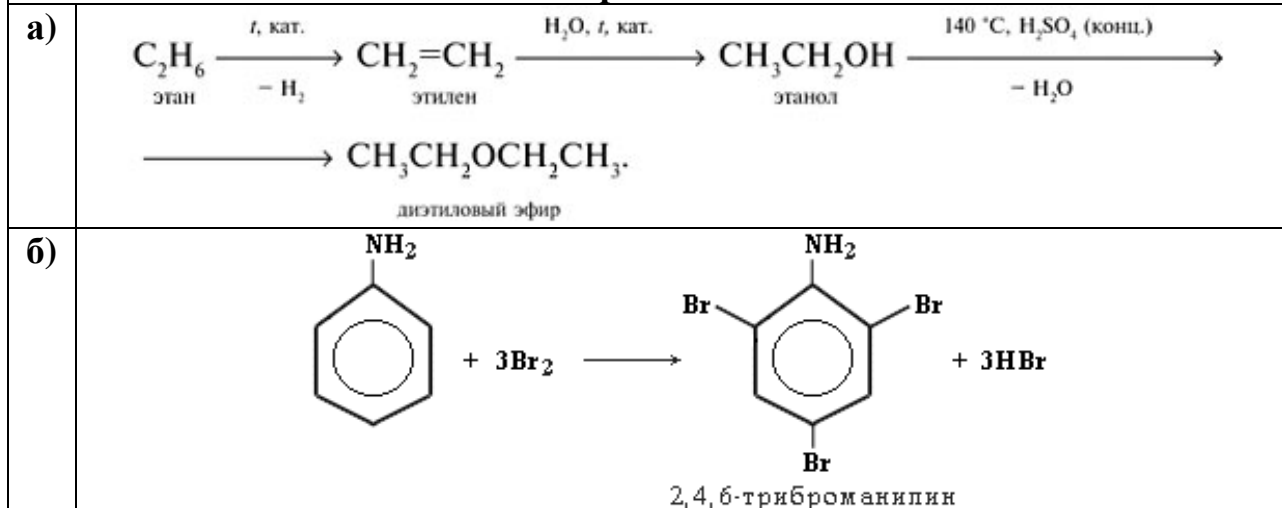
Метилбензол
(толуол)

Метилцикло-
гексан

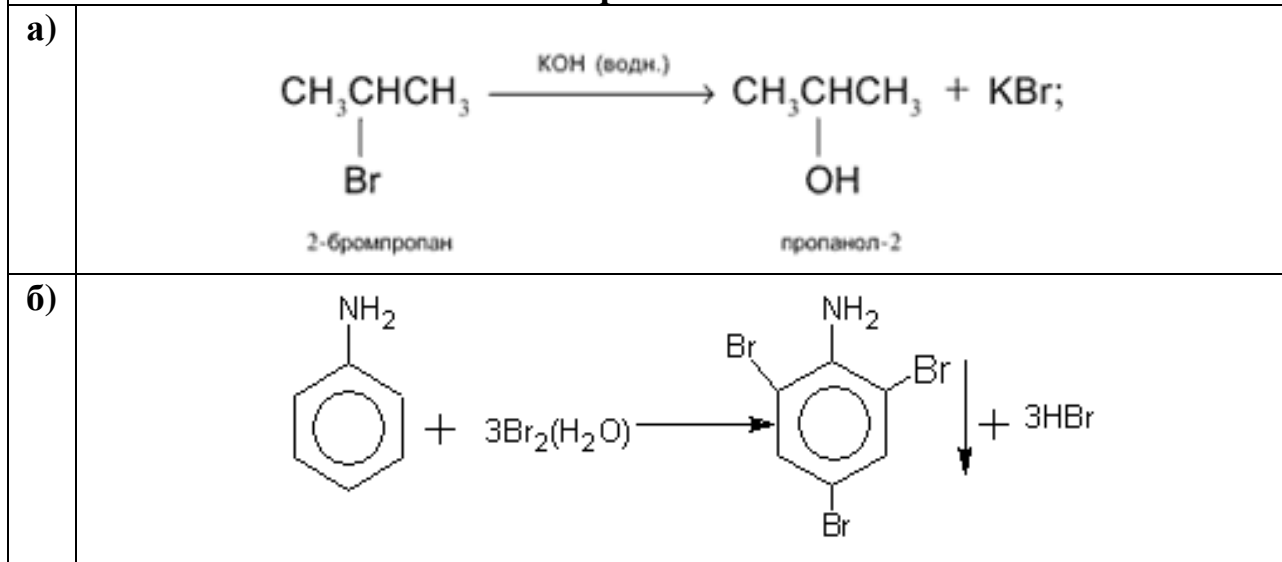
Вариант 22	
a)	$(\text{CH}_3)_2\text{CHOH} + \text{HOCH}(\text{CH}_3)_2 \xrightarrow{140^\circ\text{C}, \text{H}_2\text{SO}_4 (\text{конц.})} (\text{CH}_3)_2\text{CH-O-CH}(\text{CH}_3)_2 + \text{H}_2\text{O}.$ <p style="text-align: center;">пропанол-2 диизопропиловый эфир</p>
б)	 <p style="text-align: center;">Бензилхлорид</p>
Вариант 23	
a)	$\text{CH}_3\text{CH}_2\text{CH}_2\text{OH} \xrightarrow{t, \text{H}_2\text{SO}_4 (\text{конц.})} \text{CH}_3\text{CH}=\text{CH}_2 \xrightarrow{\text{H}_2\text{O}, t, \text{кат.}} \text{CH}_3\underset{\text{OH}}{\text{CH}}\text{CH}_3.$ <p style="text-align: center;">пропанол-1 пропилен пропанол-2</p>
б)	 <p style="text-align: center;">2,4,6-трибромфенол</p>
Вариант 24	
a)	$(\text{CH}_3\text{CH}_2)_2\text{CHOH} + \text{HBr} \xrightarrow{t} (\text{CH}_3\text{CH}_2)_2\text{CHBr} + \text{H}_2\text{O};$ <p style="text-align: center;">пентанол-3 3-бромпентан</p>
б)	

Вариант 25	
а)	$(\text{CH}_3\text{CH}_2)_2\text{CHOH} \xrightarrow{160\text{ }^\circ\text{C, H}_2\text{SO}_4\text{ (конц.)}} \text{CH}_3\text{CH}=\text{CHCH}_2\text{CH}_3 + \text{H}_2\text{O}$ <p style="text-align: center;">пентанол-3 пентен-2</p>
б)	 <p style="text-align: center;">2,4,6-тринитротолуол (тротил, тол)</p>
Вариант 26	
а)	$\text{CH}_3\text{OH} + \text{HOCH}_3 \xrightarrow{140\text{ }^\circ\text{C, H}_2\text{SO}_4\text{ (конц.)}} \text{CH}_3\text{OCH}_3 + \text{H}_2\text{O};$ <p style="text-align: center;">метанол диметилловый эфир</p>
б)	 <p style="text-align: center;">Пропилен Изопропилбензол (кумол)</p>
Вариант 27	
а)	$\text{CH}_3(\text{CH}_2)_2\text{CH}_2\text{OH} \xrightarrow{[\text{O}]} \text{CH}_3(\text{CH}_2)_2\text{C} \begin{array}{l} \text{=O} \\ \text{H} \end{array} + \text{H}_2\text{O}.$ <p style="text-align: center;">бутанол-1 бутаналь</p>
б)	 <p style="text-align: center;">п-бромтолуол о-бромтолуол</p>

Вариант 28



Вариант 29



Вариант 30

