Rešitve

1.1	E	*2 T*	
1.2	C ali D ali C, D	*2 T*	
1.3	CB_2, ali MgF_2	*2 T*	
1.4	A, B, E	*3 T*	**Skupaj: 9 T**

2.1	$2\ C_8H_{18} + 25\ O_2 \rightarrow 16\ CO_2 + 18\ H_2O$	*4 T*	
2.2	$2 \cdot 10^{13}$ kg	*4 T*	
2.3	150 let	*2 T*	**Skupaj: 10 T**

3.1	industrija, termoelektrarne, individualna kurišča, promet	*4 T*	
3.2	A	*4 T*	
3.3	A	*4 T*	**Skupaj: 12 T**

4.1	$\Delta H°_r = -92$ kJ mol^{-1}	*2 T*	
4.2	a	*1 T*	
4.3	b	*1 T*	
4.4	$[PCl_3] = 0{,}067$ M	*2 T*	
	$[Cl_2] = 0{,}067$ M	*2 T*	
	$[PCl_5] = 0{,}433$ M	*2 T*	**Skupaj: 10 T**

5.	A	$CuSO_4$	*1 T*	
	B	SO_2	*1 T*	
	C	H_2O	*1 T*	
	D	$BaSO_4$	*1 T*	
	E	$CuCl_2$	*1 T*	
	F	$Cu(OH)_2$	*1 T*	
	G	NaCl	*1 T*	
	H	AgCl	*1 T*	
	I	$NaNO_3$	*1 T*	**Skupaj: 9 T**

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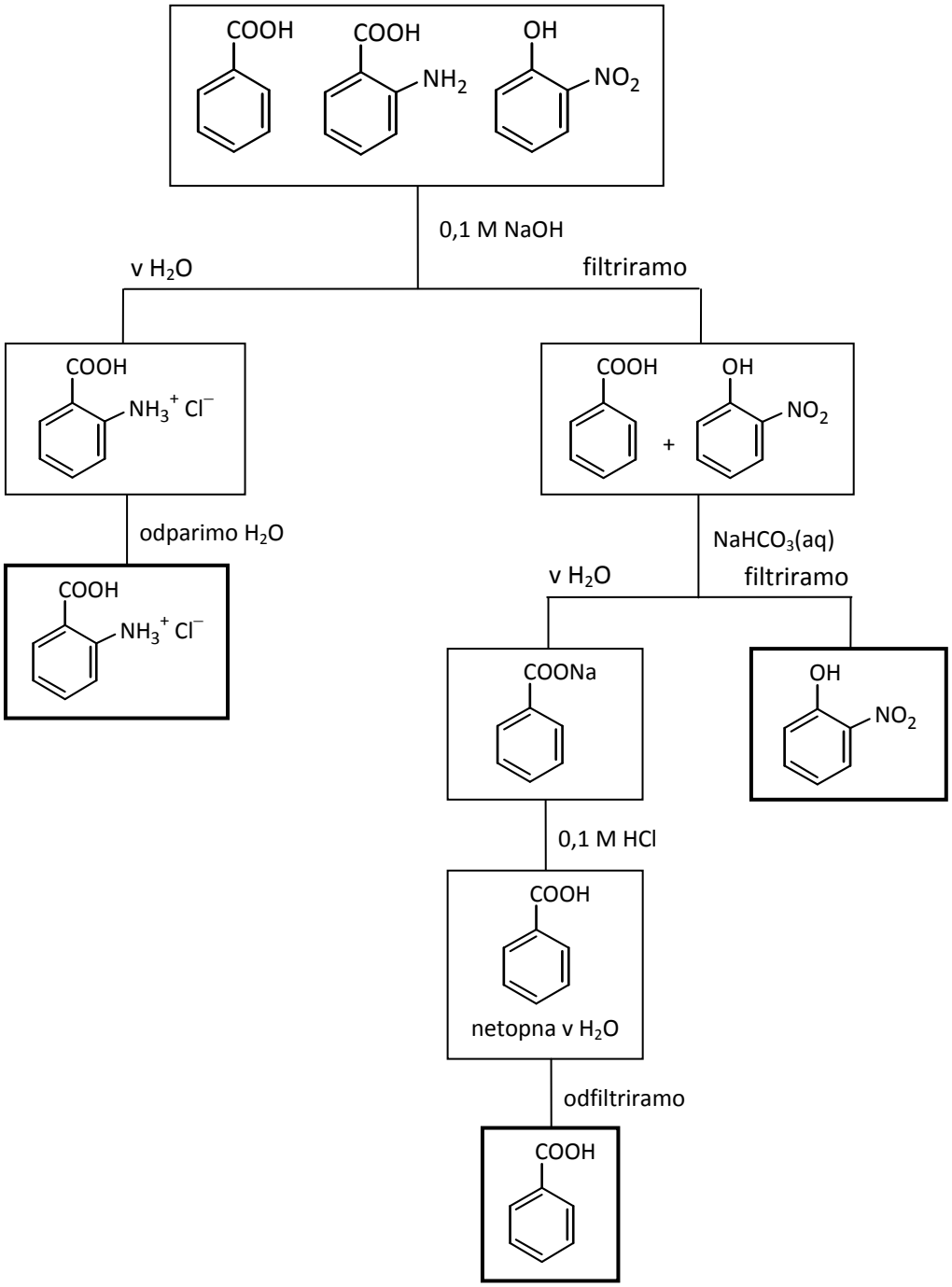
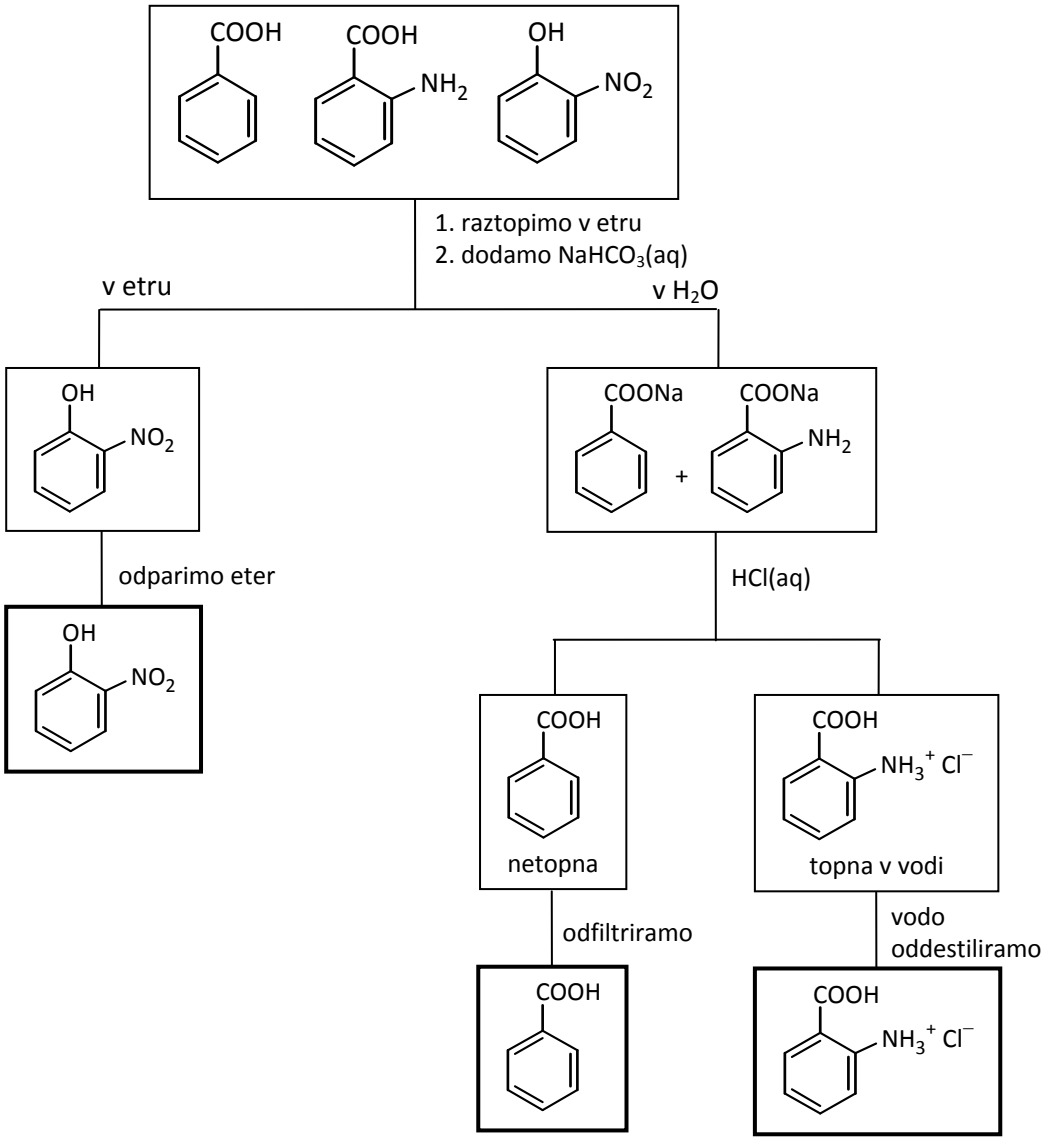
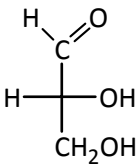
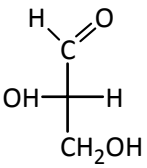
6. Shema ločevanja



Upošteva se tudi:

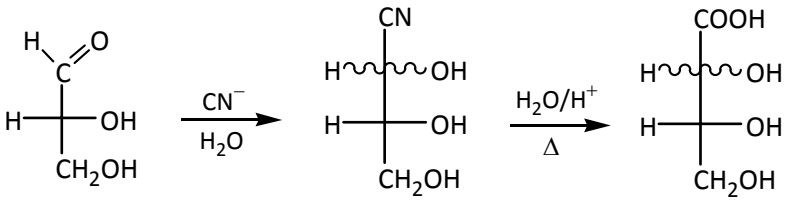


Vsaka pravilna izolacija je *3 T*. **Skupaj: 9 T**

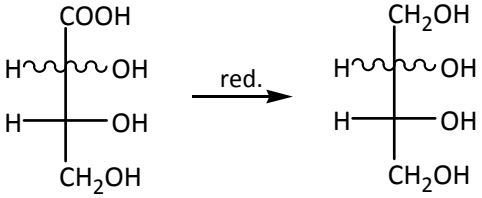
7.1  *1 T*  *1 T*

D-glicerol aldehid *1 T* L-glicerol aldehid *1 T*

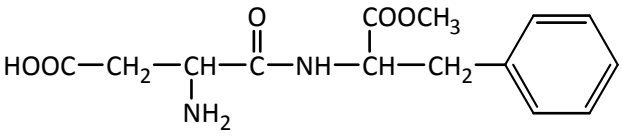
7.2 Identični sta v veličini fizikalnih in kemičnih lastnosti *1 T*
Razlikujeta se po sukanju linearno polarizirane svetlobe in po reaktivnosti s kiralnimi reagenti. *1 T*

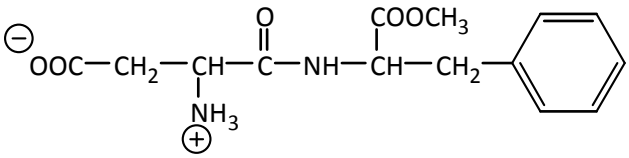
7.3 

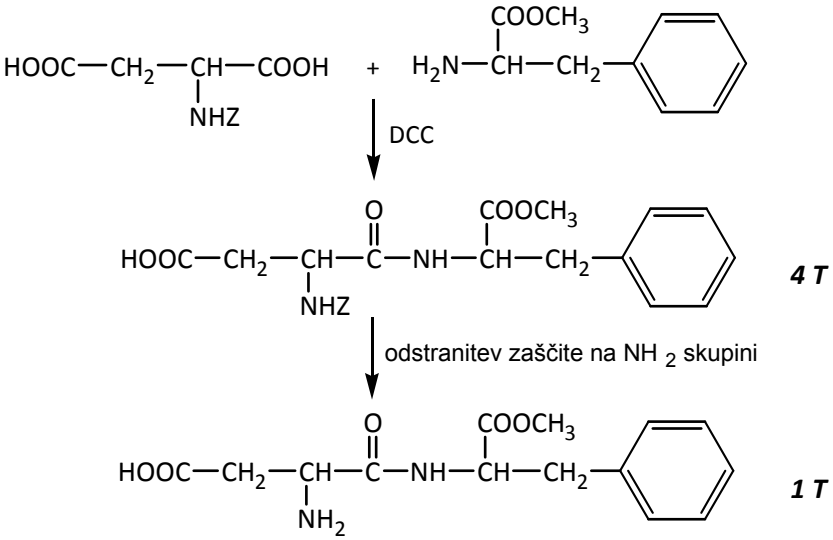
2 T *2 T*

7.4  ***2 T***

Skupaj: 12 T

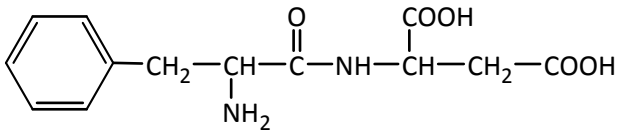
8.1  ***2 T***

8.2  ***2 T***

8.3 

4 T ***1 T***

8.4 Dobili bi dipeptid Phe–Ala.



2 T

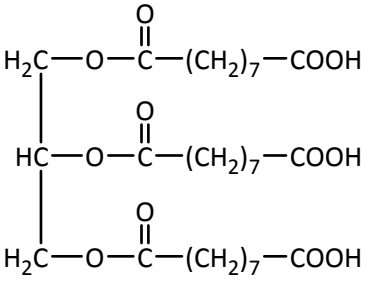
8.5 Peptidna ali amidna vez. ***1 T***

Skupaj: 12 T

9.1 a) spojina A *1 T*
b) spojina B *1 T*
c) spojina A: $C_{18}H_{34}O_2$ *1 T*
spojina B: $C_{18}H_{36}O_2$ *1 T*

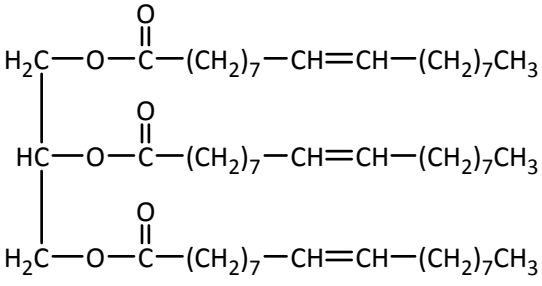
9.2 $CH_3–(CH_2)_4–CH=CH–CH_2–CH=CH–(CH_2)_7–COOH$ *3 T*

9.3 Racionalna formula kisline **C**:



2 T

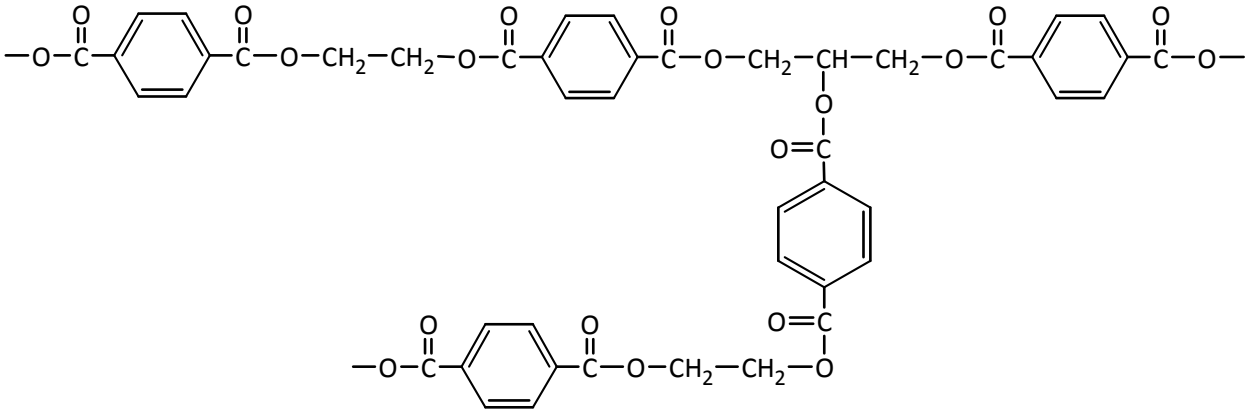
Racionalna formula triglicerida:



2 T

Skupaj: 11 T

10.1 *4 T*



10.2 Ta polimer se pri segrevanju praktično ne spremeni. *1 T*

10.3 Ti polimeri so praktično netopni v organskih topilih. *1 T*

Skupaj: 6 T

Vse skupaj: 100 T