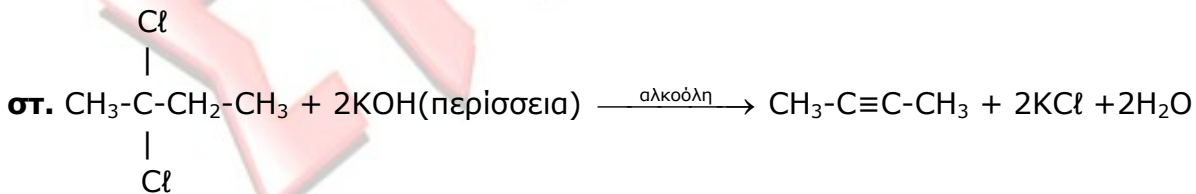
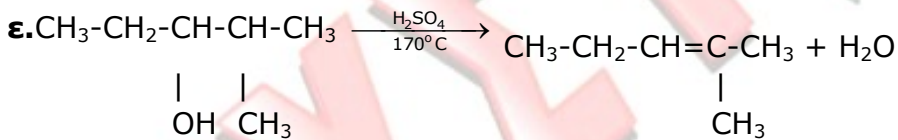
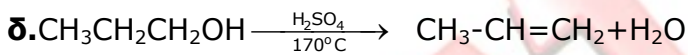
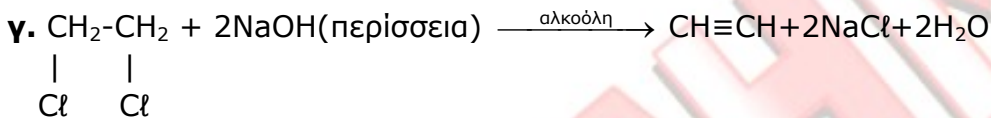
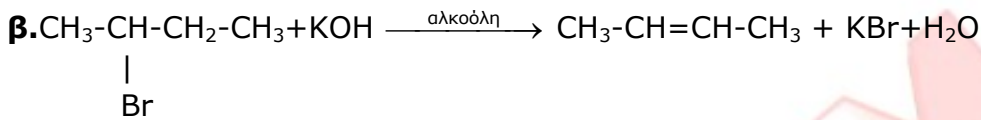
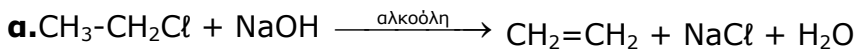


Απαντήσεις
Χημεία Β' Λυκείου
29 Μαρτίου 2026
Εξεταζόμενη ύλη: Αλκοόλες και καρβοξυλικά οξέα

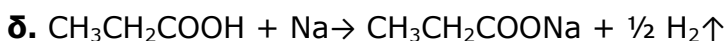
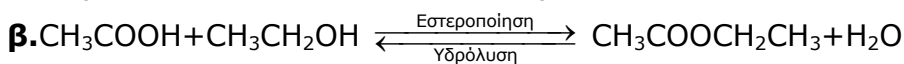
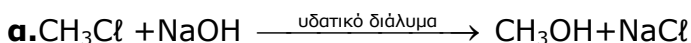
ΘΕΜΑ Α . Α1:α **Α2:**δ **Α3:**α **Α4:**β **Α5:**γ

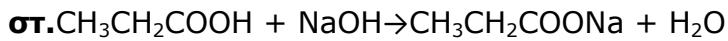
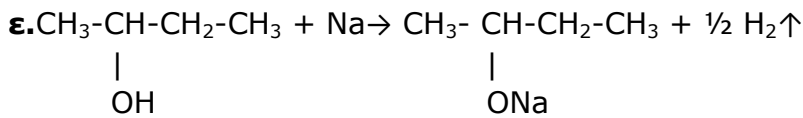
ΘΕΜΑ Β.

Β1.



Β2

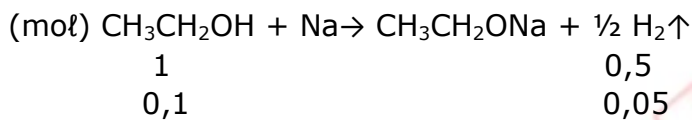




ΘΕΜΑ Γ

Γ1.

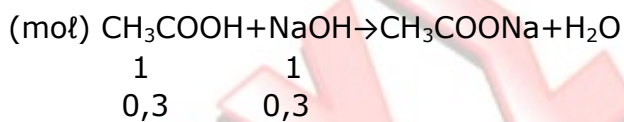
$$\text{CH}_3\text{CH}_2\text{OH} : n = \frac{m}{M_r} = \frac{4,6}{46} = 0,1 \text{ mol}$$



$$V_{\text{H}_2} = n_{\text{H}_2} \cdot 22,4 = 0,05 \cdot 22,4 = 1,12 \text{L}$$

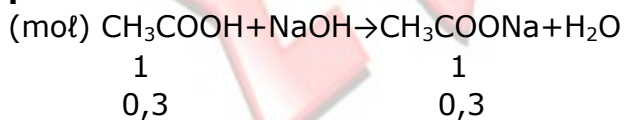
Γ2.α

$$\text{CH}_3\text{COOH} : n = \frac{m}{M_r} = \frac{18}{60} = 0,3 \text{ mol}$$



$$\Delta_1: V_1 = \frac{n_1}{c_1} = \frac{0,3}{1} = 0,3 \text{L}$$

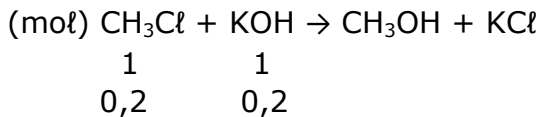
β.



$$\text{CH}_3\text{COONa} : m = n \cdot M_r = 0,3 \cdot 82 = 24,6 \text{g}$$

Γ3.

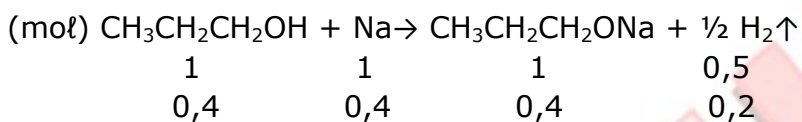
$$\text{CH}_3\text{Cl}: n = \frac{m}{M_r} = \frac{10,1}{50,5} = 0,2 \text{ mol}$$



$$V = \frac{n}{c} = \frac{0,2}{0,1} = 2 \text{ L}$$

Γ4.

$$\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}: n = \frac{m}{M_r} = \frac{24}{60} = 0,4 \text{ mol}$$



α.

$$\text{Na}: m = n \cdot M_r = 0,4 \cdot 23 = 9,2 \text{ g}$$

β.

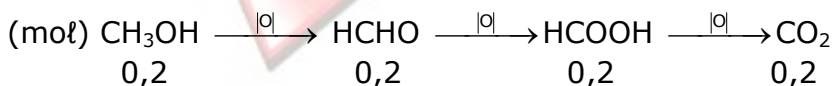
$$\text{CH}_3\text{CH}_2\text{CH}_2\text{ONa}: m = n \cdot M_r = 0,4 \cdot 82 = 32,8 \text{ g}$$

$$\text{H}_2: m = n \cdot M_r = 0,2 \cdot 2 = 0,4 \text{ g}$$

ΘΕΜΑ Δ

Δ1.

$$\text{CH}_3\text{OH}: n = \frac{m}{M_r} = \frac{6,4}{32} = 0,2 \text{ mol}$$

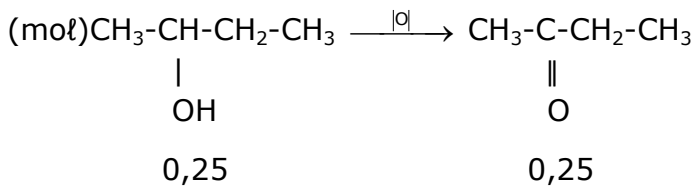


$$\text{HCHO}: m = n \cdot M_r = 0,2 \cdot 30 = 6 \text{ g} \quad \text{HCOOH}: m = n \cdot M_r = 0,2 \cdot 46 = 9,2 \text{ g} \quad \text{CO}_2: m = n \cdot M_r = 0,2 \cdot 44 = 8,8 \text{ g}$$

Δ2

α.

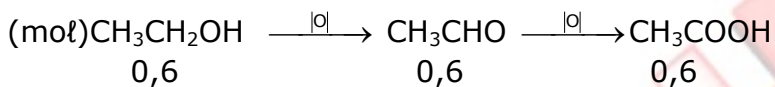
$$\text{CH}_3\text{-CH(OH)-CH}_2\text{-CH}_3: n = \frac{m}{M_r} = \frac{18,5}{74} = 0,25\text{mol}$$



$$\text{CH}_3\text{-CO-CH}_2\text{-CH}_3: m = n \cdot M_r = 0,25 \cdot 72 = 18\text{g}$$

β.

$$\text{CH}_3\text{CH}_2\text{OH}: n = \frac{m}{M_r} = \frac{27,6}{46} = 0,6\text{mol}$$

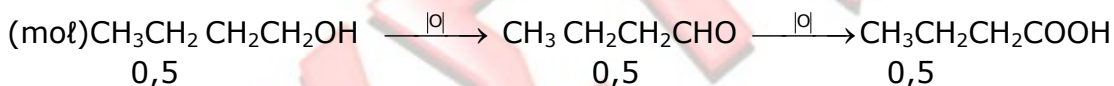


$$\text{CH}_3\text{CHO}: m = n \cdot M_r = 0,6 \cdot 44 = 26,4\text{g}$$

$$\text{CH}_3\text{COOH}: m = n \cdot M_r = 0,6 \cdot 60 = 36\text{g}$$

γ.

$$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}: n = \frac{m}{M_r} = \frac{37}{74} = 0,5\text{mol}$$



$$\text{CH}_3\text{CH}_2\text{CH}_2\text{CHO}: m = n \cdot M_r = 0,5 \cdot 72 = 36\text{g}$$

$$\text{CH}_3\text{CH}_2\text{CH}_2\text{COOH}: m = n \cdot M_r = 0,5 \cdot 88 = 44\text{g}$$

Τις απαντήσεις επιμελήθηκαν οι καθηγητές:

Φιρφίρης Χρήστος