

Απαντήσεις Β λυκείου

ΘΕΜΑ Α

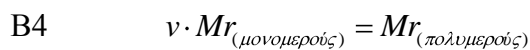
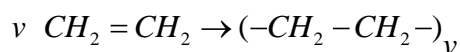
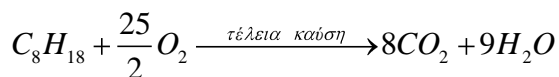
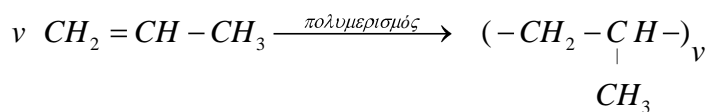
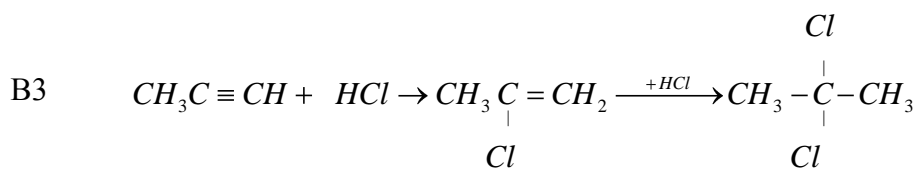
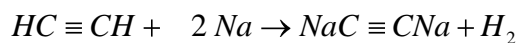
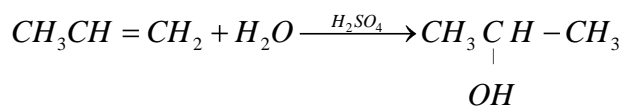
A1 → β , A2 → γ , A3 → β , A4 → α , A5 → θεωρία

ΘΕΜΑ Β

B1 α) 2 – προπανόλη , β) προπενικός ισοπροπύλ εστέρας , γ) 2 – μεθυλο – 1,4 εξαδιέν – 3 – όλη

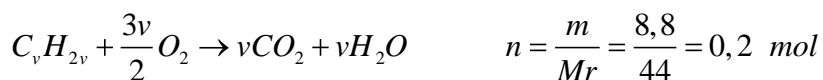
B2

a) $CH_3 - \underset{\substack{| \\ CH_3}}{C}H - C \equiv CH$, β) $CH_3CH_2 - \underset{\substack{|| \\ O}}{C} - CH_3$, γ) $CH_2 = CH - CH = O$

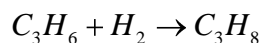


$$v \cdot 28 = 56000 \Rightarrow v = 2000 \text{ μόρια}$$

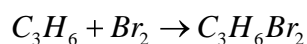
ΘΕΜΑ Γ



$$\begin{array}{ccc} 1 & & v \\ 0,1 & & 0,2 \end{array} \quad 0,1v = 0,2 \Rightarrow v = 2 \quad \text{άρα ο ΜΤ } C_2H_4$$



$$\begin{array}{ccc} 1 & & 1 \\ 0,1 & & ; = 0,1 \text{ mol} \end{array} \quad V_{STP} = n \cdot 22,4 = 0,1 \cdot 22,4 = 2,24L$$



$$\begin{array}{ccc} 1 & & 1 \\ 0,2 & & ; = 0,2 \text{ mol} \end{array} \quad m = n \cdot Mr = 0,2 \cdot 160 = 32 \text{ g}$$

ΘΕΜΑ Δ

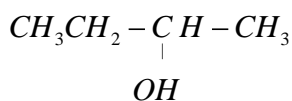
Δ1

$$Mr_{C_v H_{2v+2} O} = 14v + 18 = 74 \Rightarrow 14v = 56 \Rightarrow v = 4$$

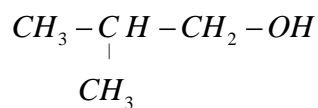
άρα C_4H_9OH



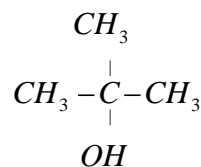
1- βουτανόλη



2 - βουτανόλη



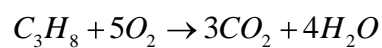
μέθυλο - 1 - προπανόλη



μέθυλο - 2 - προπανόλη

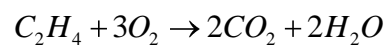
Δ2

$$n = \frac{m}{Mr} = \frac{4,4}{44} = 0,1 \text{ mol}$$



$$\begin{array}{ccc} 1 & & 3 \\ 0,1 & & ; = 0,3 \text{ mol} \end{array} \quad V_{STP} = 0,3 \cdot 22,4 = 6,72 \text{ L}$$

Δ3



1 mL 3 mL

20 mL ; = 60 mL

σε 100 mL αέρα 20 mL O₂

V_{αέρα} = ; 60 mL

$$V_{\alpha\epsilon\rho\alpha} = \frac{60 \cdot 100}{20} = 300 \text{ mL}$$