

Correction interrogation 5

Exercice 1:

1. Noms:

2-chloro-3,4-dimethylhex-1-ène

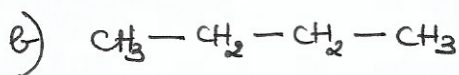
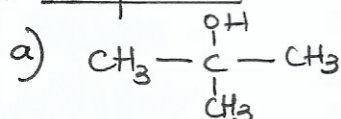
3,3,4-triméthylpentyne

2-bromo-2,4,5-triméthylheptane

2-éthylbutène

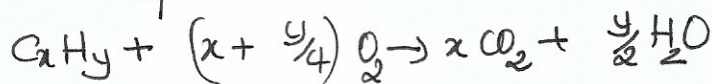
5-éthyl-2,2,6-triméthylhept-3-yne

2. Complétons:



Exercice 2:

1.1. Equation-bilan:



1.2. Formule brute:

$$M = 82 \Rightarrow 12x + y = 82.$$

$$\frac{n(\text{CO}_2)}{x} = \frac{n(\text{C}_x\text{H}_y)}{1}$$

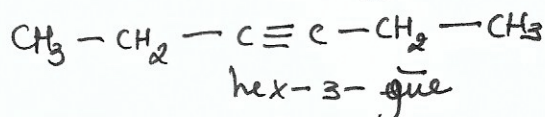
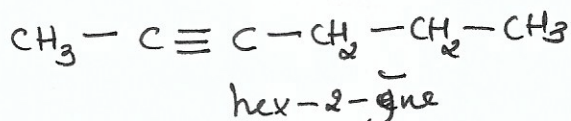
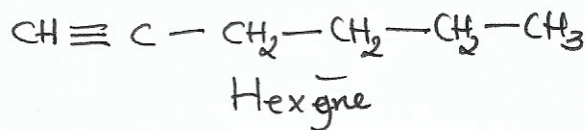
$$\Rightarrow x = \frac{n(\text{CO}_2)}{n(\text{C}_x\text{H}_y)} = \frac{\frac{V}{V_m}}{\frac{m}{M}}$$

$$\Rightarrow x = \frac{V \cdot M}{m \cdot V_m} = \frac{0,672 \times 82}{0,41 \times 22,4} = 6$$

$$12 \times 6 + y = 82 \Rightarrow y = 10$$

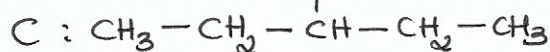
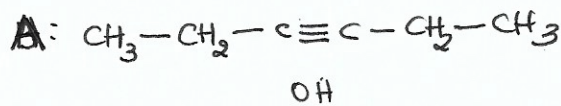
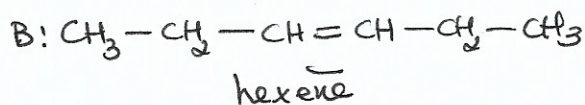
F.B: C_6H_{10} . C'est un alcyne.

1.3. F.S.D de A:



2. FSD de A, B et C.

B est un alcène symétrique.



3. F.S.D exacte de B:

