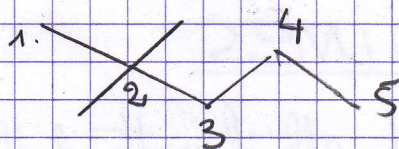
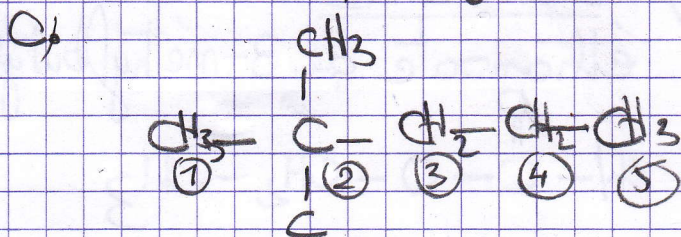


Activité 1 Chapitre 4: quelques familles organiques

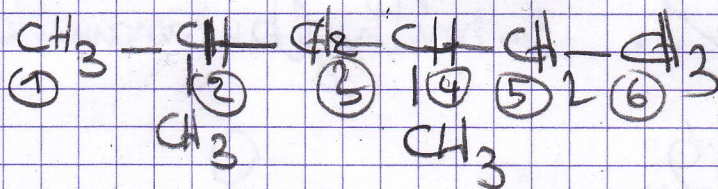
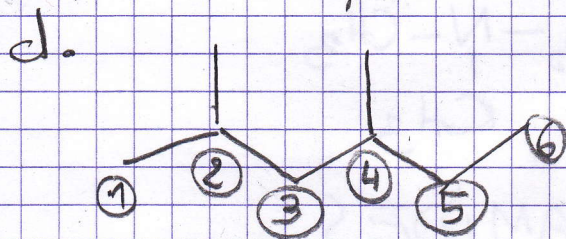
I) ALCANES

a. 2,3-diméthylbutane

b. 3,3-diméthylpentane

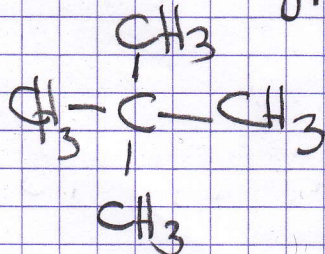


2,2-diméthylpentane

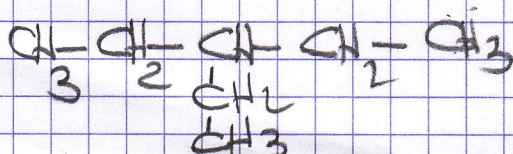


2,4-diméthylhexane

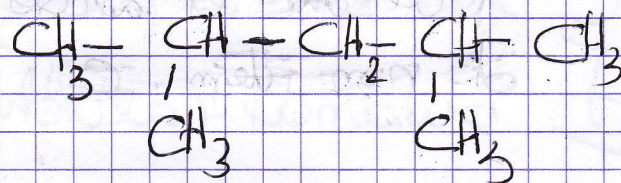
2) a. 2,2-diméthylpropane



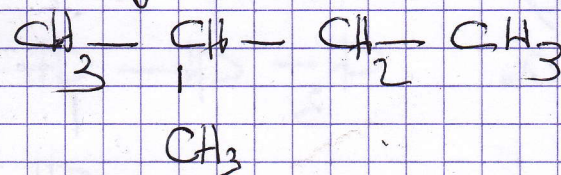
b. 3-éthylpentane



c. 2,4-diméthylpentane



d. méthylbutane



II) ALCOOLS

1) a. méthanol

b. butan-1-ol

c. 2,3-diméthylbutan-1-ol

d. 3,3-diméthylbutan-1-ol

(Attention minimiser l'indice du carbone fonctionnel en priorité !)

e. 3,4-diméthylpentan-2-ol

2) a. $\text{CH}_3 - \text{CH}_2 - \text{OH}$

b.

$$\begin{array}{ccccccc}
 \text{CH}_3 & - & \text{CH} & - & \text{CH}_2 & - & \text{CH}_3 \\
 \textcircled{3} & & \textcircled{1} & & \textcircled{2} & & \textcircled{3} \\
 & & | & & & & \\
 & & \text{OH} & & & &
 \end{array}$$

c.

$$\begin{array}{ccccccc}
 \text{CH}_3 & - & \text{CH} & - & \text{CH} & - & \text{CH} & - & \text{CH} & - & \text{CH}_3 \\
 \textcircled{3} & & \textcircled{1} & & \textcircled{1} & & \textcircled{2} & & \textcircled{1} & & \textcircled{3} \\
 & & | & & | & & | & & & & \\
 & & \text{CH}_3 & & \text{OH} & & \text{CH}_3 & & & &
 \end{array}$$

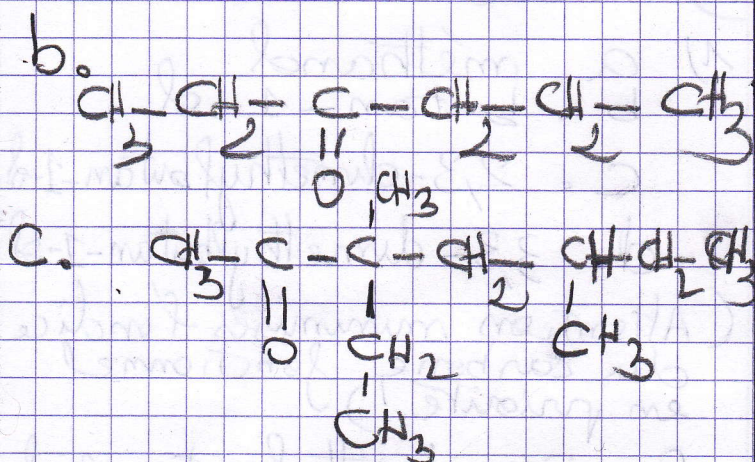
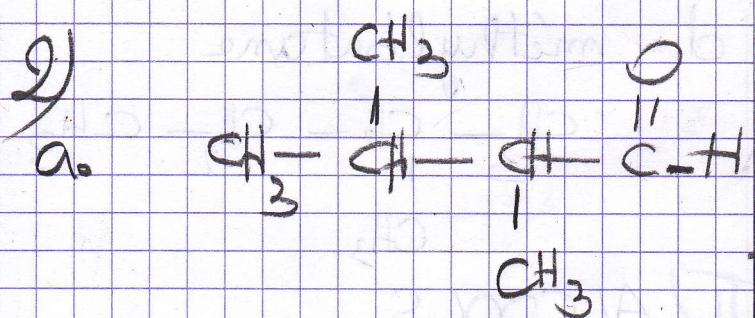
d.

$$\begin{array}{ccccccc}
 \text{CH}_3 & - & \text{C} & - & \text{CH}_2 & - & \text{C} & - & \text{CH} & - & \text{CH}_3 \\
 \textcircled{3} & & \textcircled{1} & & \textcircled{2} & & \textcircled{1} & & \textcircled{2} & & \textcircled{3} \\
 & & | & & & & | & & | & & \\
 & & \text{OH} & & & & \text{CH}_2 & & \text{CH}_3 & & \\
 & & & & & & | & & & & \\
 & & & & & & \text{CH}_3 & & & &
 \end{array}$$

III ALDEHYDES /

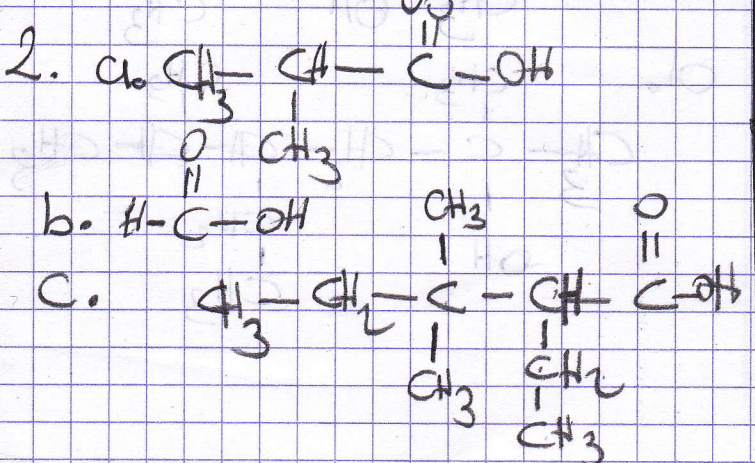
CETONES

- 1) a. propanal (aldehyde)
- b. pentan-3-one (cétone)
- c. pentan-2-one (cétone)
- d. butanal (aldehyde)



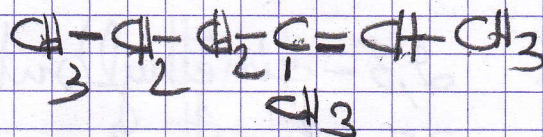
IV Acides carboxyliques

- a. acide butanoïque
- b. pas un acide carboxylique
- c. acide 2-méthylbutanoïque
- d. acide 3-méthylpentanoïque



V ALCÈNES

1. a. (Z) but-2-ène
- b. but-1-ène
- 2.



VI ESTERS

1. éthanoate de 3-méthylbutyle
- 2.

VII AMINES

1. N,N-éthylméthylethanamine
- 2.

VIII AMIDES

1. 3-méthylbutanamide
- 2.

