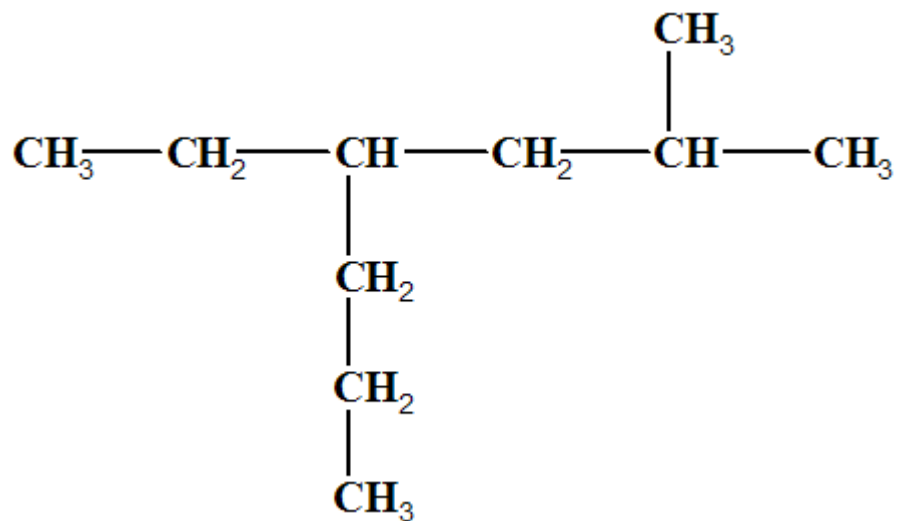


# THEME 1 : Ondes et matière

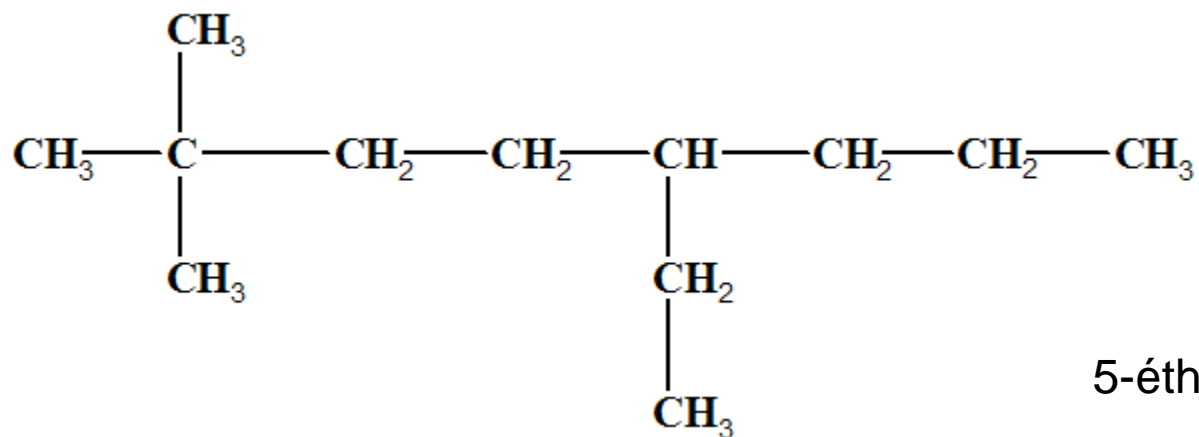
## C6 Spectres UV-Visible et IR

**En AP**  
**Nomenclature**

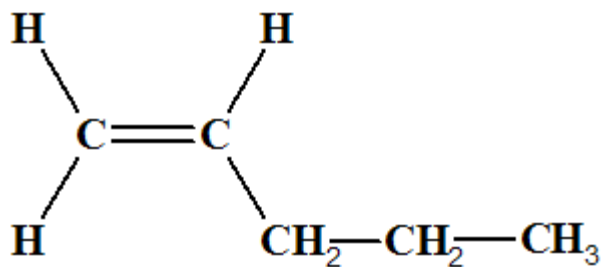
Jeu de rapidité



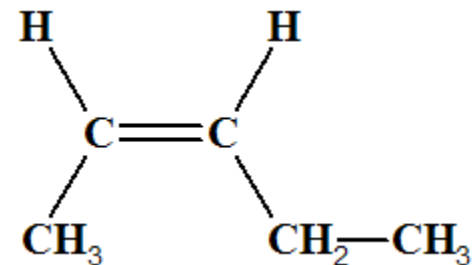
4-éthyl-2-méthylheptane



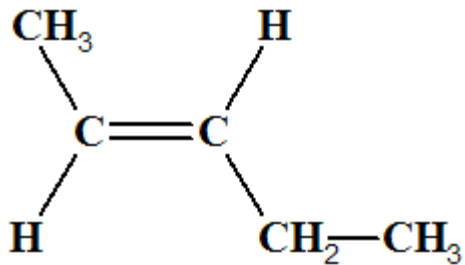
5-éthyl-2,2-diméthyl-octane



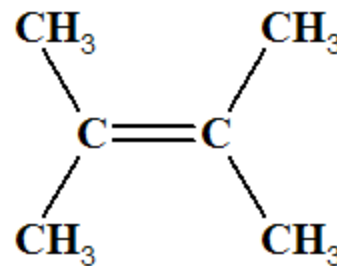
Pent-1-ène



(Z) Pent-2-ène

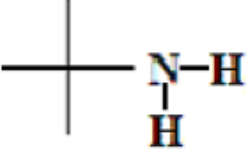
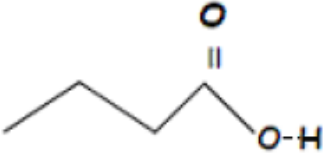


(E) Pent-2-ène



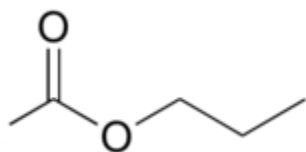
2,3-diméthylbut-2-ène

**Isomères ?** Les 3 premières molécules car elles ont la même formule brute :  $C_5H_{10}$

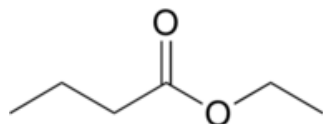
Formule semi-développée ou écriture topologique	Nom de la molécule
$\begin{array}{ccccccc} \text{CH}_3 & - & \text{CH} & - & \text{CH} & - & \text{CH}_3 \\ & &   & &   & & \\ & & \text{CH}_3 & & \text{O-H} & & \end{array}$	3-méthylbutan-2-ol (alcool secondaire)
$\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \text{HC}=\text{O}$	Butanal
$\begin{array}{ccccccc} \text{CH}_3 & - & \text{C} & - & \text{CH}_2 & - & \text{CH}_2 & - & \text{CH}_3 \\ & &    & & & & & & \\ & & \text{O} & & & & & & \end{array}$	Pentan-2-one
	2-méthylpropan-2-amine
$\begin{array}{ccccccc} \text{CH}_3 & - & \text{CH} & - & \text{CH}_2 & - & \text{CH}_2 & - & \text{C} & - & \text{O} & - & \text{H} \\ & &   & & & & & &    & & & & \\ & & \text{CH}_3 & & & & & & \text{O} & & & & \end{array}$	Acide 4-méthylpentanoïque
	Acide butanoïque
$\begin{array}{ccccccc} \text{CH}_3 & - & \text{CH}_2 & - & \text{CH} & - & \text{HC}=\text{O} \\ & & & &   & & \\ & & & & \text{CH}_2 & - & \text{CH}_3 \end{array}$	2-éthylbutanal

Formule semi-développée  
ou écriture topologique

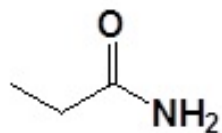
Nom de la molécule



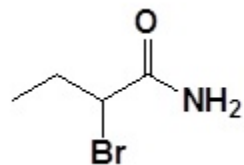
Ethanoate de propyle



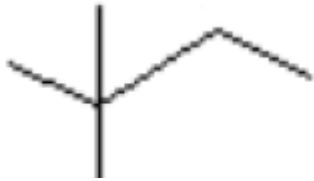
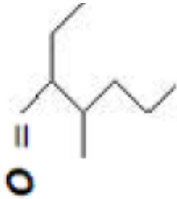
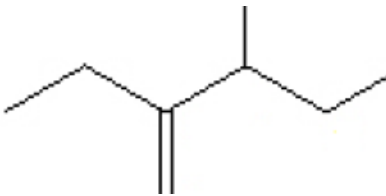

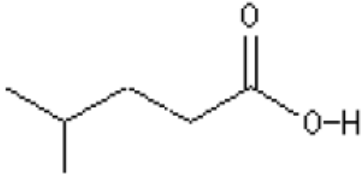
Butanoate d'éthyle



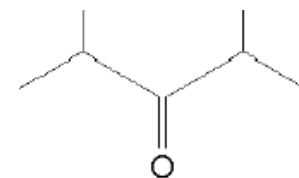
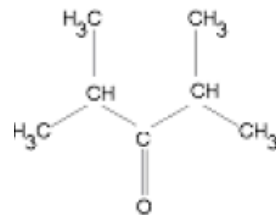
Propanamide



2-bromobutanamide

Nom	Formule semi-développée	Ecriture topologique
2,2-diméthylbutane	$\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{CH}_2-\text{C}-\text{CH}_3 \\   \\ \text{CH}_3 \end{array}$	
2-éthyl-3-méthylhexanal	$\begin{array}{c} \text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}-\text{CH}-\text{HC}=\text{O} \\   \quad   \\ \text{CH}_3 \quad \text{CH}_2-\text{CH}_3 \end{array}$	
2-éthyl-3-méthylpent-1-ène	$\begin{array}{c} \text{CH}_3-\text{CH}_2-\text{CH}-\text{C}=\text{CH}_2 \\   \quad   \\ \text{CH}_3 \quad \text{CH}_2-\text{CH}_3 \end{array}$	
2,2-diméthylbutan-1-ol	$\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{CH}_2-\text{C}-\text{CH}_2-\text{O}-\text{H} \\   \\ \text{CH}_3 \end{array}$	
acide 4-méthylpentanoïque	$\begin{array}{c} \text{CH}_3-\text{CH}-\text{CH}_2-\text{CH}_2-\text{C}-\text{O}-\text{H} \\   \quad \quad \quad \parallel \\ \text{CH}_3 \quad \quad \quad \text{O} \end{array}$	

2,4-diméthylpentan-3-one



2-méthylpropanoate de propyl

