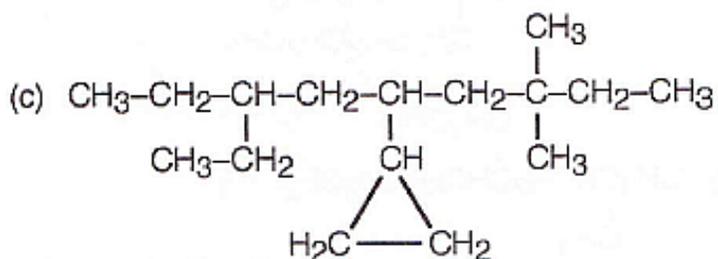
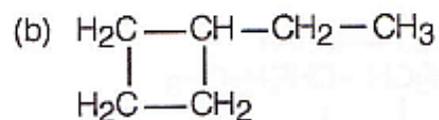
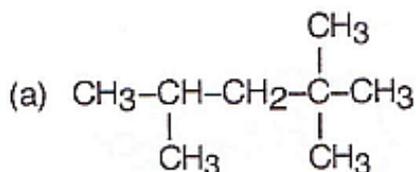
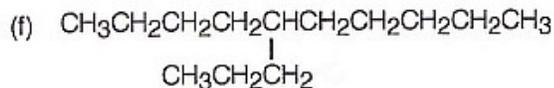
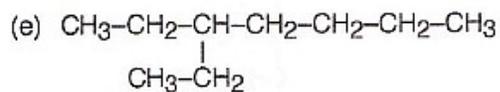
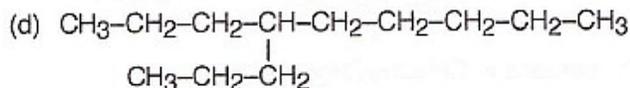
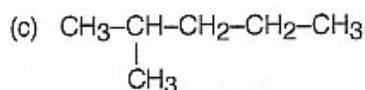
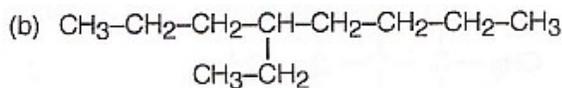
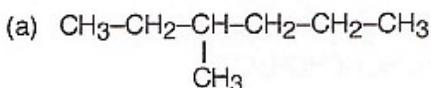


Chimie BI – chimie organique – les alcanes

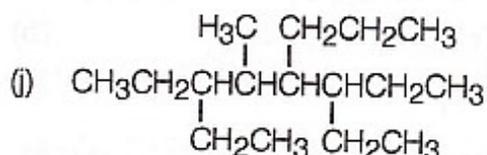
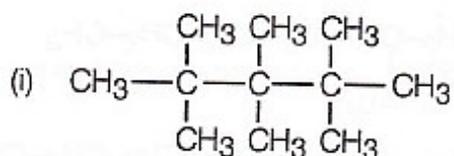
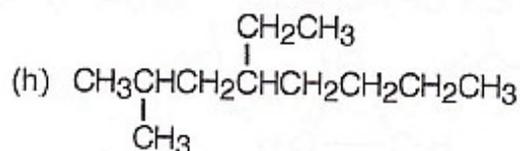
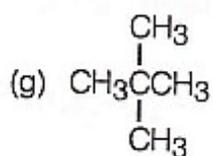
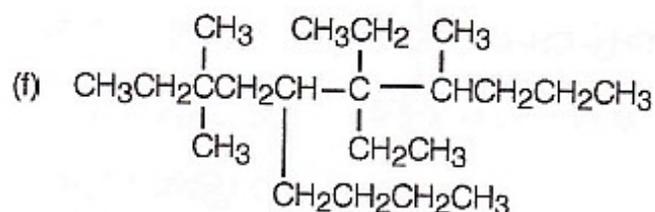
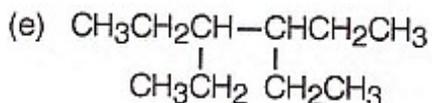
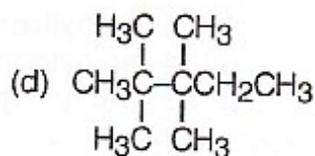
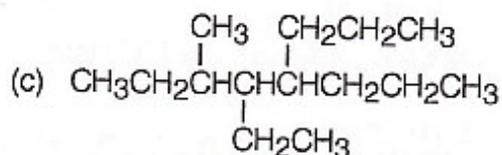
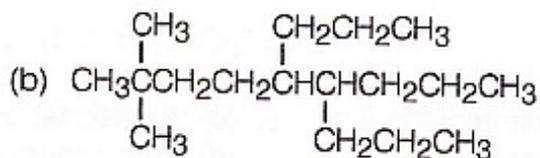
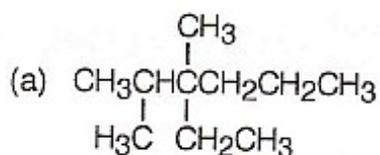
- Détermine le nombre de carbones présents dans la plus longue chaîne et nomme-la.
 - 7 ; heptane
 - 7 ; heptane
 - 8 ; octane
 - 10 ; décane
- Nomme les hydrocarbures suivants :
 - 3-méthylhexane
 - 4-éthylheptane
 - 3-éthyloctane
 - 2-méthylhexane
 - 4-méthylnonane
 - 3-méthylheptane
- Ré-écris les formules pour faire apparaître les atomes d'hydrogène :



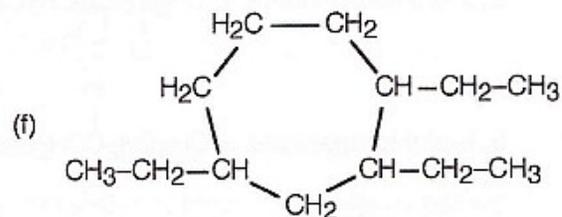
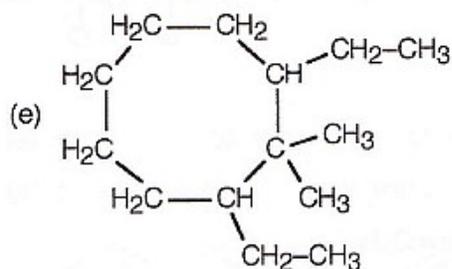
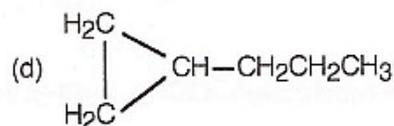
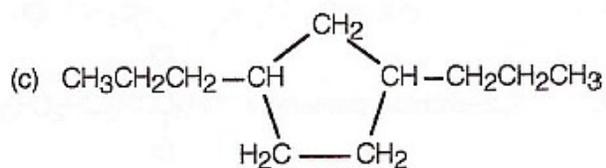
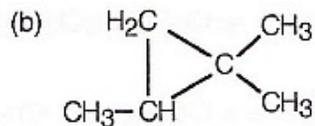
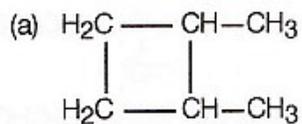
4. Dessine les hydrocarbures suivants :



5. Qu'est-ce qui ne fonctionne pas dans les molécules suivantes :
- devrait être : 2-méthylheptane
 - devrait être hexane
 - le deuxième carbone devrait avoir 2 H
 - le deuxième carbone ne devrait pas avoir d'hydrogène
6. Nomme les molécules suivantes :
- 3,4-diméthylheptane
 - 3,4,4,5-tétraéthylheptane
 - 2,2,7,7-tétraméthylheptane
 - 5-éthyl-3,4-diméthylheptane ou 3-éthyl-4,5-diméthylheptane
 - 4-méthyl-4-éthylheptane
 - 2,2,5-triméthylheptane
 - 4,6-diméthylheptane
 - décane
 - 4,5-diéthyl-3,7-diméthylheptane
 - 3,3,4,5-tétraméthylheptane
 - 4-éthyl-3-méthyl-5-propylheptane
 - 3,6-diéthyl-5,8-diméthyldécane ou 5,8-diéthyl-3,6-diméthyldécane
7. Dessine les molécules suivantes :

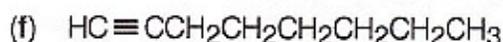
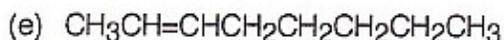
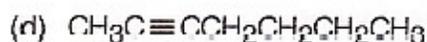
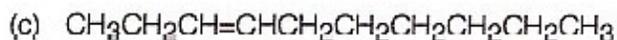
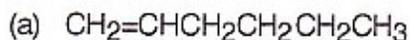


8. Nomme les composés suivants :
- éthylcyclohexane
 - 1,3-diméthylcyclobutane
 - méthylcyclopropane
 - 1-éthyl-1,3-diméthylcyclopentane
 - 2-éthyl-1,3-diméthylcyclooctane
9. Dessine les molécules suivantes :



Chimie BI – chimie organique – les alcènes et les alcynes

1. Représente le diagramme structural condensé pour les molécules suivantes :



2. Nomme les molécules suivantes :

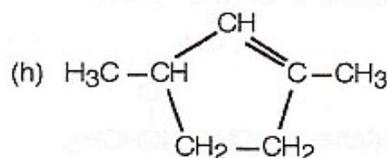
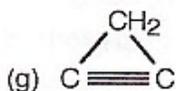
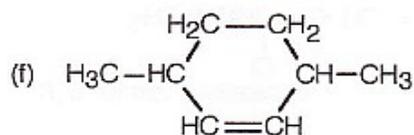
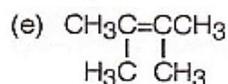
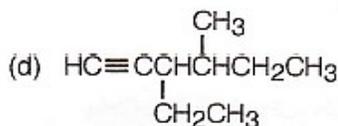
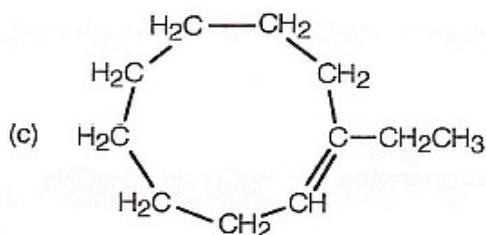
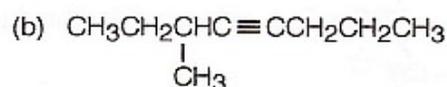
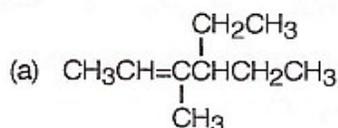
a. hex-3-ène

b. hept-1-yne

c. dec-4-yne

d. hept-3-ène

3. Représente le diagramme structural condensé pour les molécules suivantes :



4. Nomme les molécules suivantes :

a. 5-éthyl-6,6-diméthylhept-3-ène

b. 3,6-diéthyl-2-méthyl-oct-4-yne

c. 1,3,4-triméthylcyclobut-1-ène

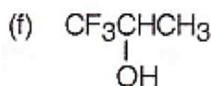
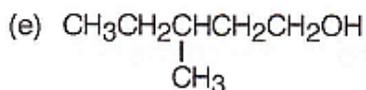
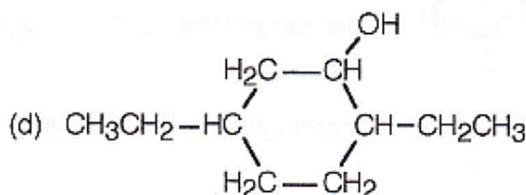
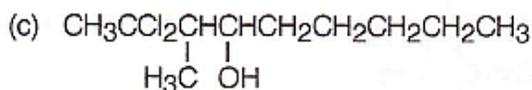
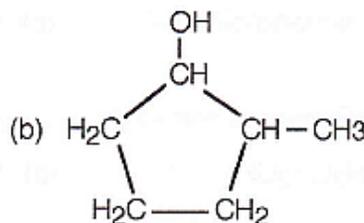
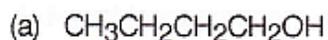
d. 5,6-diméthylcyclooct-1-yne

e. 3-méthylhex-3-ène

f. 3-méthylcyclohex-1-ène

Chimie BI – chimie organique – alcools, esters, cétones, composés aromatiques, acides carboxyliques

1. Dessine les molécules suivantes :



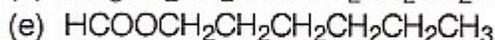
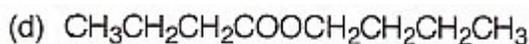
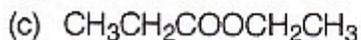
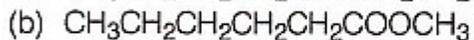
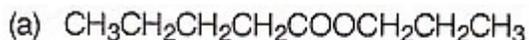
2. Nomme les molécules suivantes :

- propan-2-ol
- 4,4,4-trifluorobutan-2-ol
- 3-méthylbutan-1-ol
- 2-méthylpropan-2-ol
- 2-chlorocyclobutan-1-ol
- 2,3-diméthylcyclopropan-1-ol

3. Nomme les molécules suivantes :

- propanoate de méthyle
- méthanoate de propyle
- butanoate d'éthyle
- éthanoate d'hexyle
- pentanoate de butyle

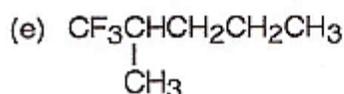
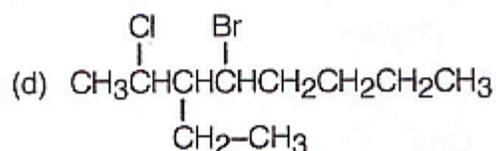
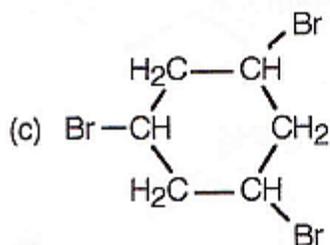
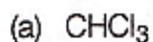
4. Dessine les molécules suivantes :



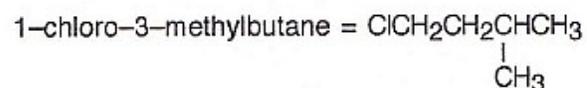
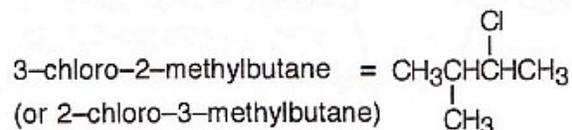
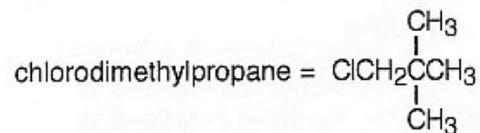
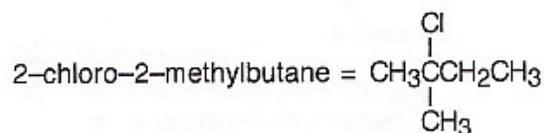
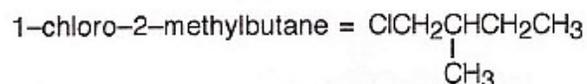
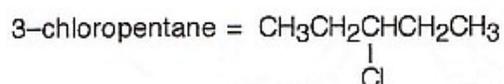
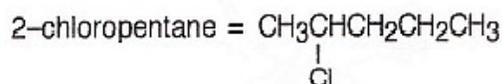
5. Nomme les molécules suivantes :

- chloroéthane
- 1,3-dibromopropane
- 1-iodo-4-méthylpentane
- 1,1-dichloro-2-fluoroéthane
- 1,1-dichloro-2-éthylcyclohexane

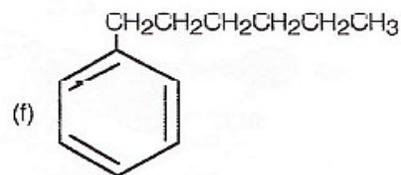
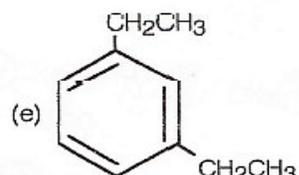
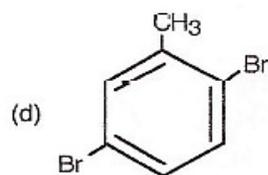
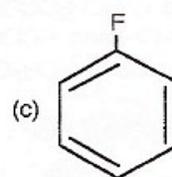
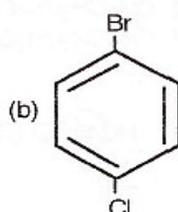
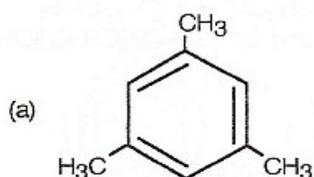
6. Dessine les molécules suivantes :



7. Nomme et dessine les 8 isomères de $\text{C}_5\text{H}_{11}\text{Cl}$.



8. Dessine les molécules suivantes :



9. Nomme les molécules suivantes :

- éthylbenzène
- 1-bromo-4-méthylbenzène ou 4-bromo-1-méthylbenzène
- hexachlorobenzène
- 1,2-diméthylbenzène
- 1-éthyl-3,5-diméthylbenzène ou 3-éthyl-1,5-diméthylbenzène ou 5-éthyl-1,3-diméthylbenzène
- 1-éthyl-4-méthylbenzène ou 4-éthyl-1-méthylbenzène

10. Identifie dans chacune des molécules suivantes les groupes fonctionnels :

