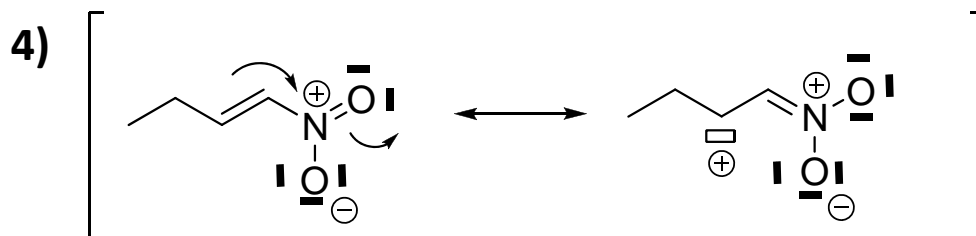
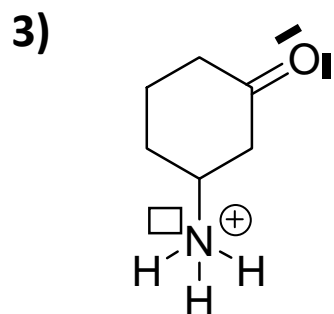
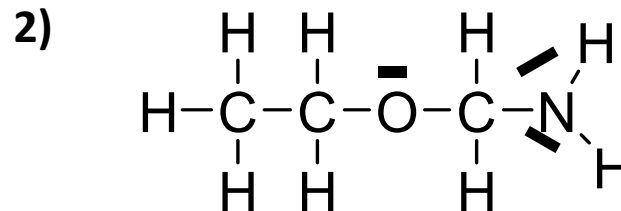
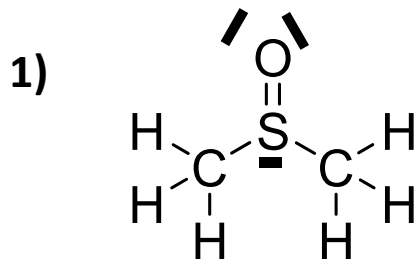
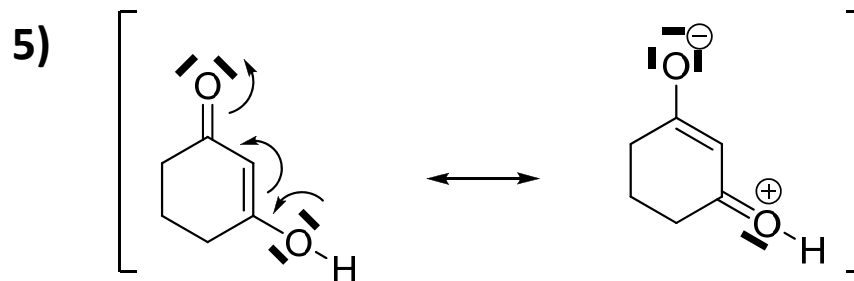


Exercice 1

Parmi les structures ou les formes mésomères suivantes, indiquer celles qui sont correctes.

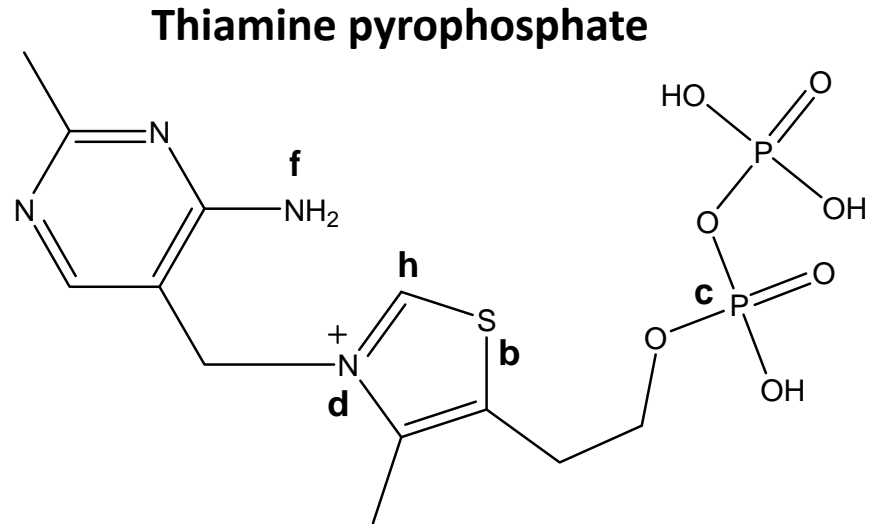
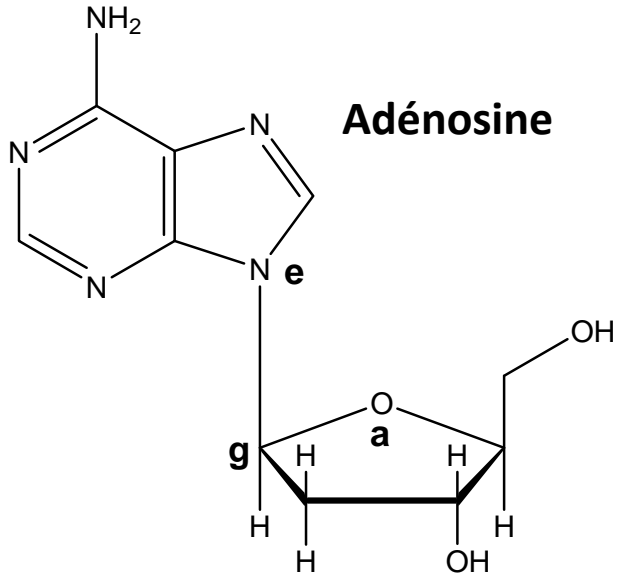


A	2,4
B	1,5
C	2,3,5
D	1,3,5
E	1,2,4



Exercice 2

Parmi les propositions suivantes laquelle (ou lesquelles) est (sont) exacte(s) ?

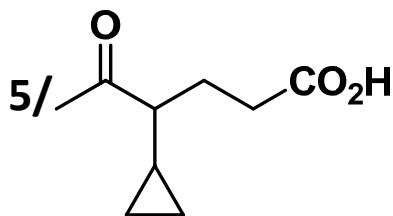
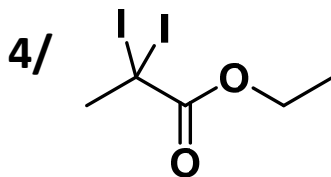
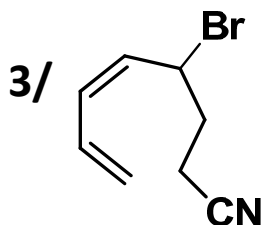
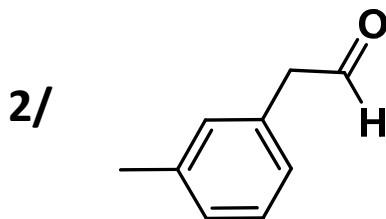
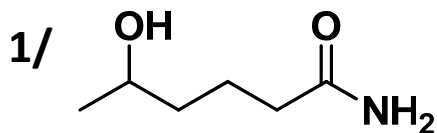


- 1) Les atomes a et b sont tous les deux AX_2E_2 et hybridés sp^2
- 2) L'atome c est AX_4 et hybridé sp^3
- 3) L'atome d est AX_3E , et hybridé sp^2 délocalisé
- 4) Les atomes e et f sont tous les deux AX_3E et hybridés sp^2 délocalisés
- 5) Les atomes g et h sont tous les deux AX_3 et hybridés sp^2

A	B	C	D	E
1,2,3	1,3,5	3,5	2,4	1,2,4,5

Exercice 3

Parmi les noms proposés, identifiez le nom exact des molécules représentées .



1a) 5-hydroxyhexanamide

1b) 6-amino-6-oxohexan-2-ol

2a) 3-méthylbenzène-carbaldéhyde

2b) (3-méthylphényl)éthanal

3a) 4-bromo-octa-5,7-diène-nitrile

3b) 5-bromo-octa-1,3-diène-8-nitrile

4a) éthanoate de 2,2-diiodopropyle

4b) 2,2-diiodopropanoate d'éthyle

5a) acide 4-cyclopropyl-5-oxohexanoïque

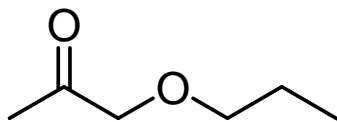
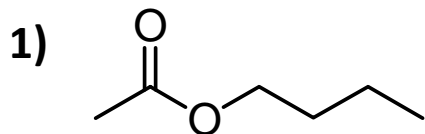
5b) 3-cyclopropyl-5-carboxypentan-2-one

Quelle est la proposition exacte ?

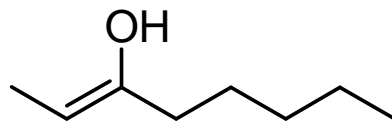
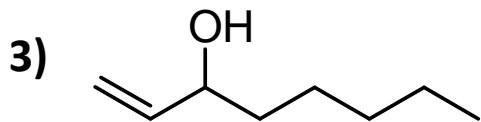
A	1a 2a 3a 4a 5a
B	1a 2b 3a 4a 5a
C	1b 2a 3b 4b 5b
D	1a 2b 3a 4b 5a
E	1b 2b 3b 4b 5b

Exercice 4

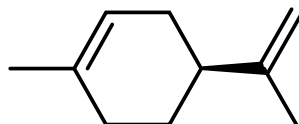
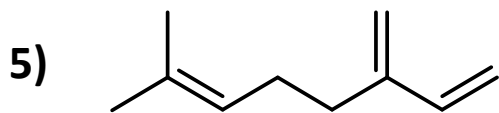
Déterminer, si elle existe, la relation d'isomérisation qui existe entre les composés de chaque couple.



2) cyclohexanol / cyclohexanone



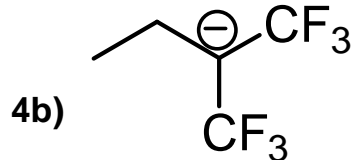
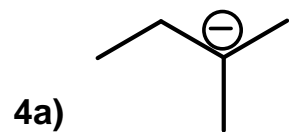
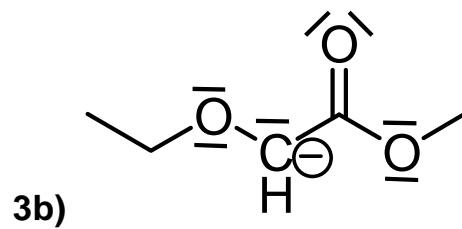
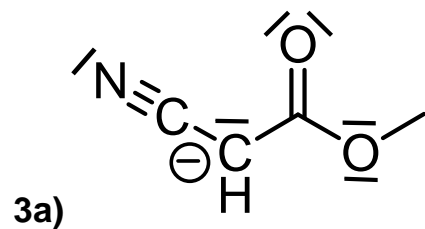
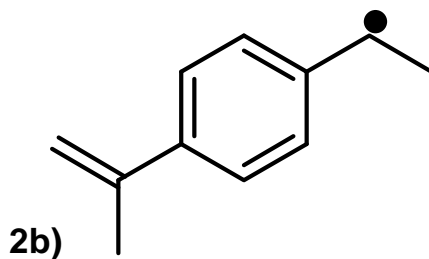
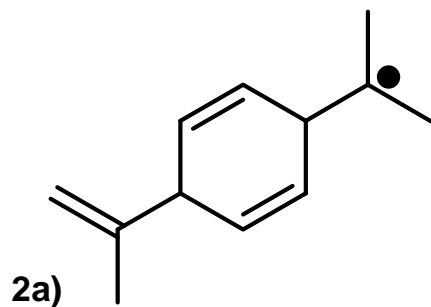
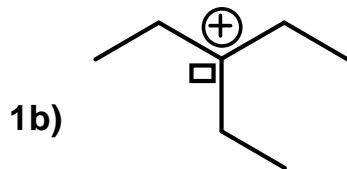
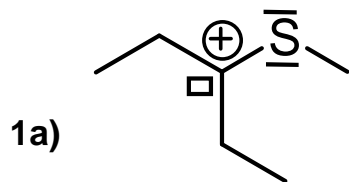
4) N-méthyl butanamide / 2-méthylbutanamide



	A	B	C	D	E
1)	Isom. fonction	Isom. fonction	Isom. position	Isom. fonction	Isom. position
2)	Isom. fonction	Aucune	Isom. fonction	Aucune	Isom. fonction
3)	Isom. fonction	Isom. fonction	Isom. position	Isom. position	Isom. position
4)	Isom. chaîne	Isom. position	Isom. position	Isom. chaîne	Isom. position
5)	Aucune	Isom. chaîne	Isom. chaîne	Isom. chaîne	Isom. chaîne

Exercice 5

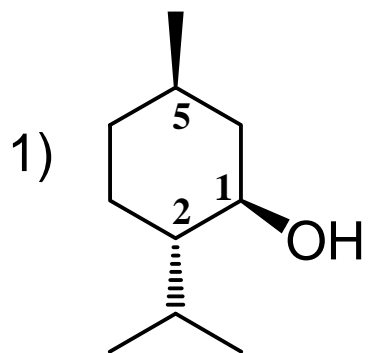
Donner l'intermédiaire le plus stable pour chacun des couples suivants.



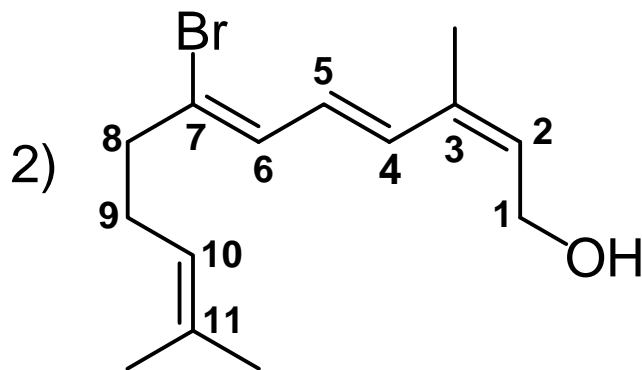
A	1b 2b 3a 4b
B	1a 2b 3a 4a
C	1a 2a 3b 4a
D	1a 2b 3a 4b
E	1b 2a 3b 4a

Exercice 6

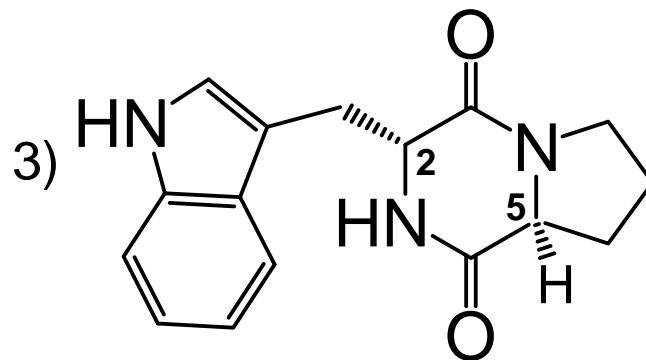
Parmi les structures et configurations suivantes, indiquer celles qui sont correctes :



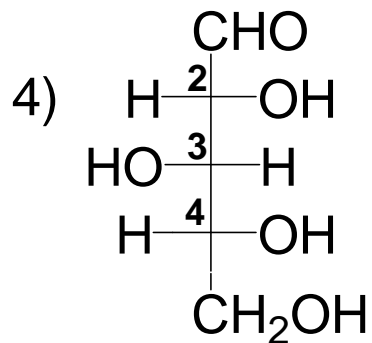
(1*R*, 2*S*, 5*R*)



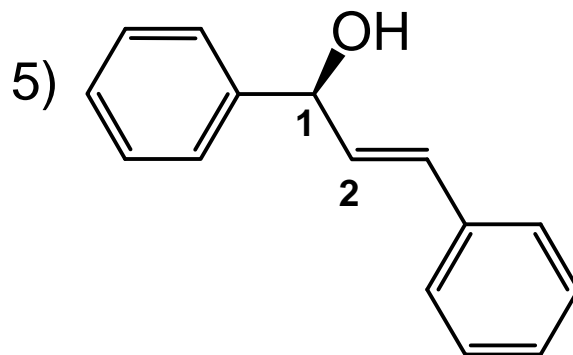
(2*Z*, 4*E*, 6*E*)



(2*R*, 5*S*)



(2*R*, 3*S*, 4*S*)

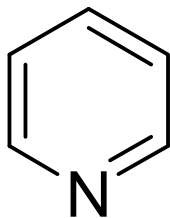


(1*S*, 2*E*)

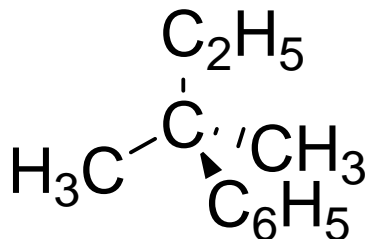
A	1,2
B	2,3,4
C	1,3,5
D	1,2,4
E	4,5

Exercice 7

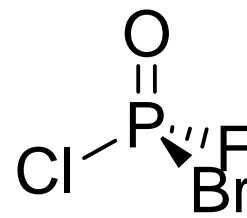
Parmi les structures suivantes, indiquer lesquelles sont chirales.



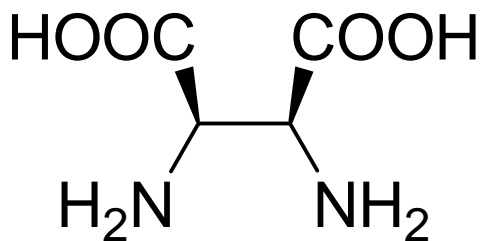
1



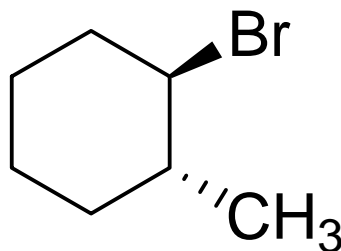
2



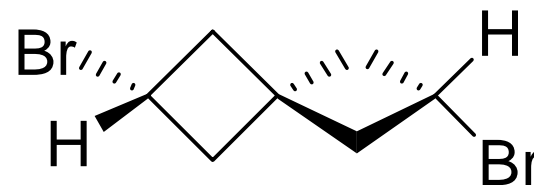
3



4



5



6

A	B	C	D	E
2,4,5	2,3,5,6	1,2,6	3,5,6	1,4