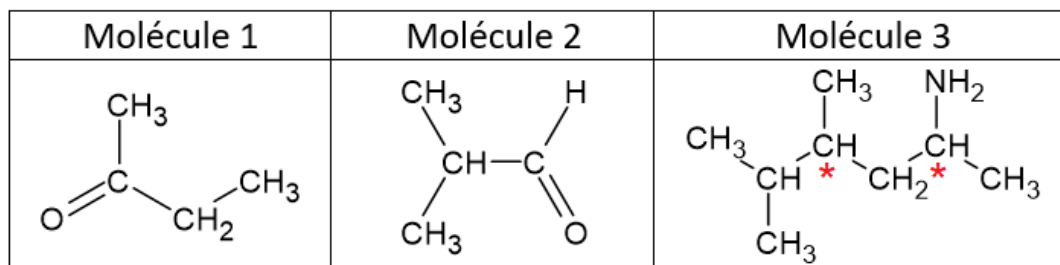


Correction exercices

Structure spatiale des espèces chimiques

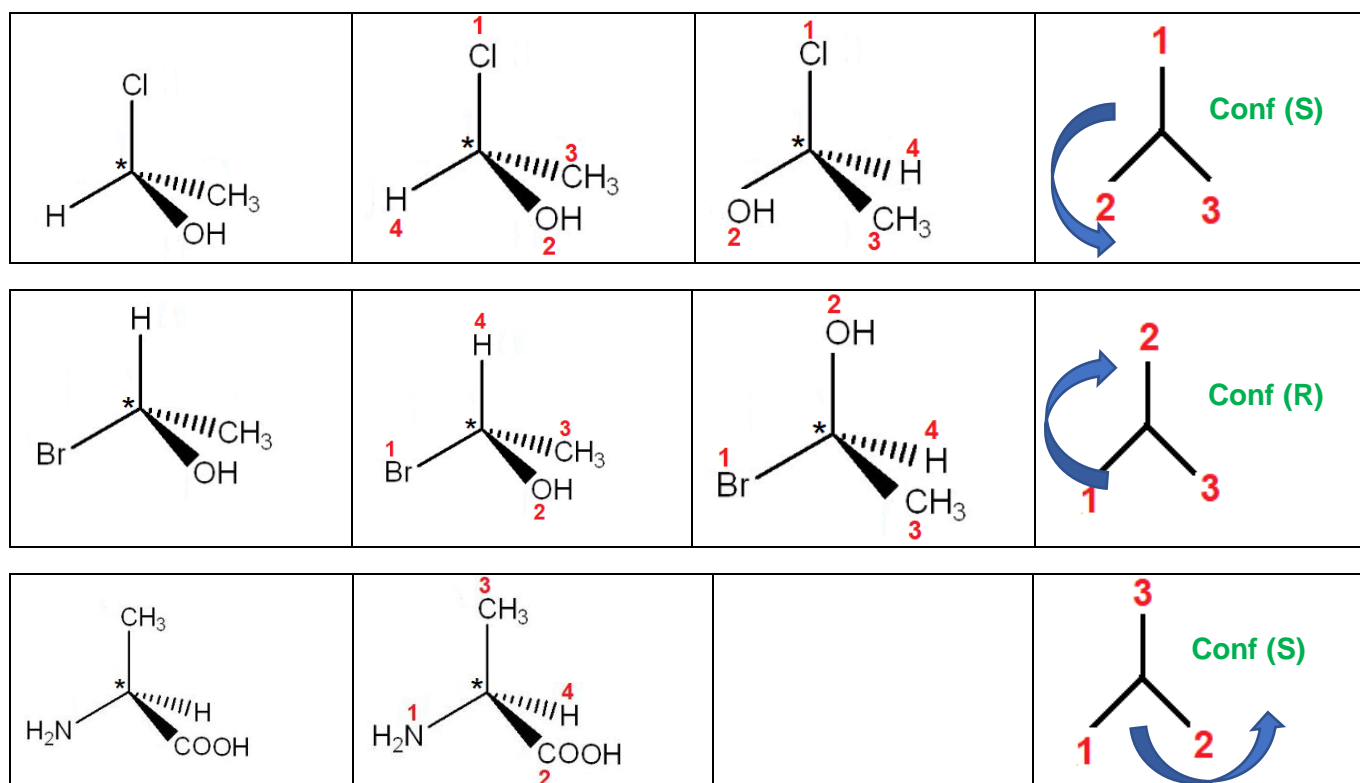
Exercice 1



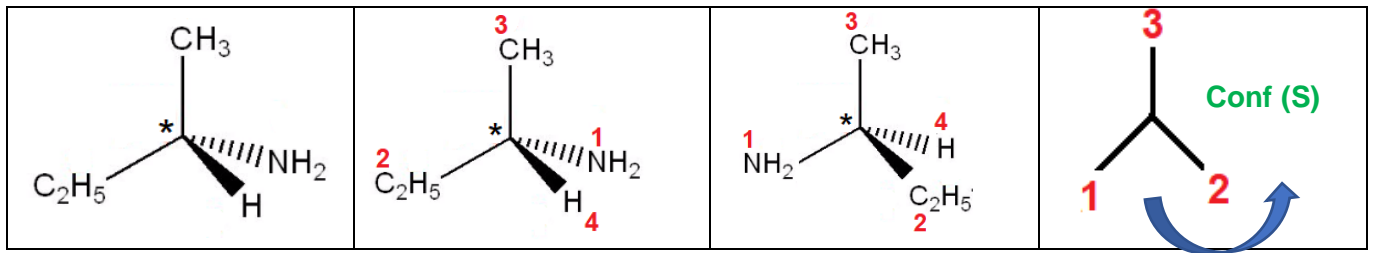
Exercice 2

Priorité	(1)	(2)	(3)	(4)
(a)	—O—CH_3	—OH	$\text{—CH}_2\text{—OH}$	—CH_3
(b)	—NH—CH_3	—NH_2	$\text{—C}\equiv\text{N}$	$\text{—CH}_2\text{—NH}_2$
(c)				
(d)	—SH		—NH_2	

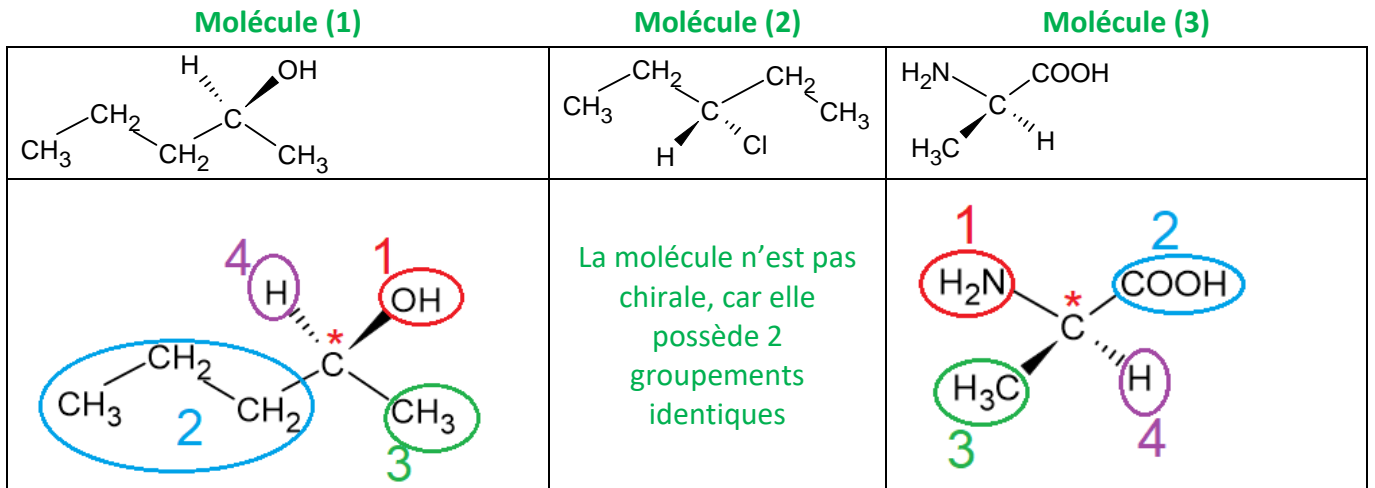
Exercice 3



Séquence 1 : STRUCTURE SPATIALE DES ESPECES CHIMIQUES



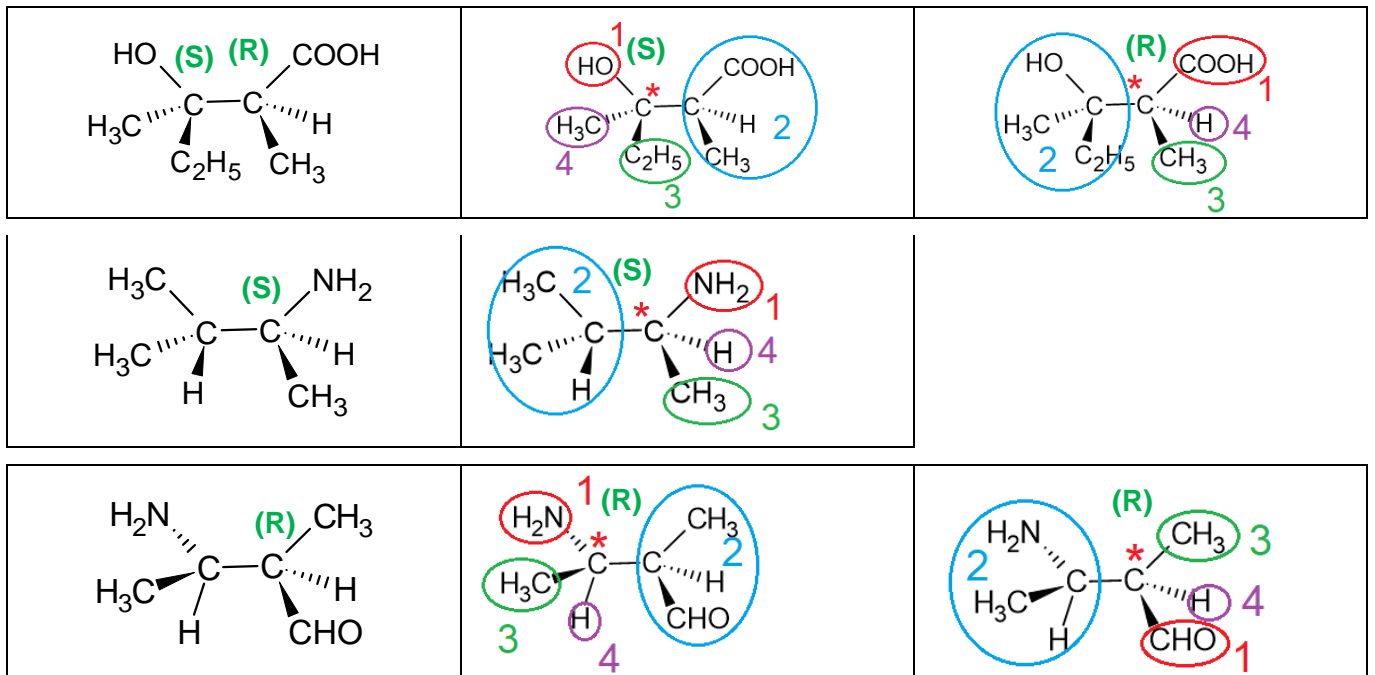
Exercice 4



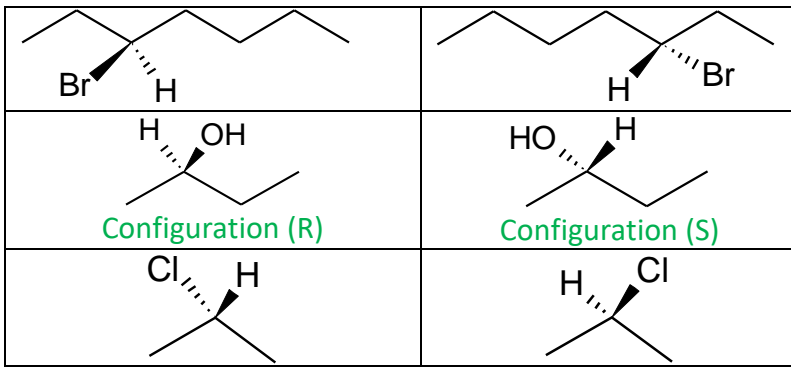
Les priorités évoluent dans le sens antihoraire : **configuration (S)**

Les priorités évoluent dans le sens horaire : **configuration (R)**

Exercice 5



Exercice 6

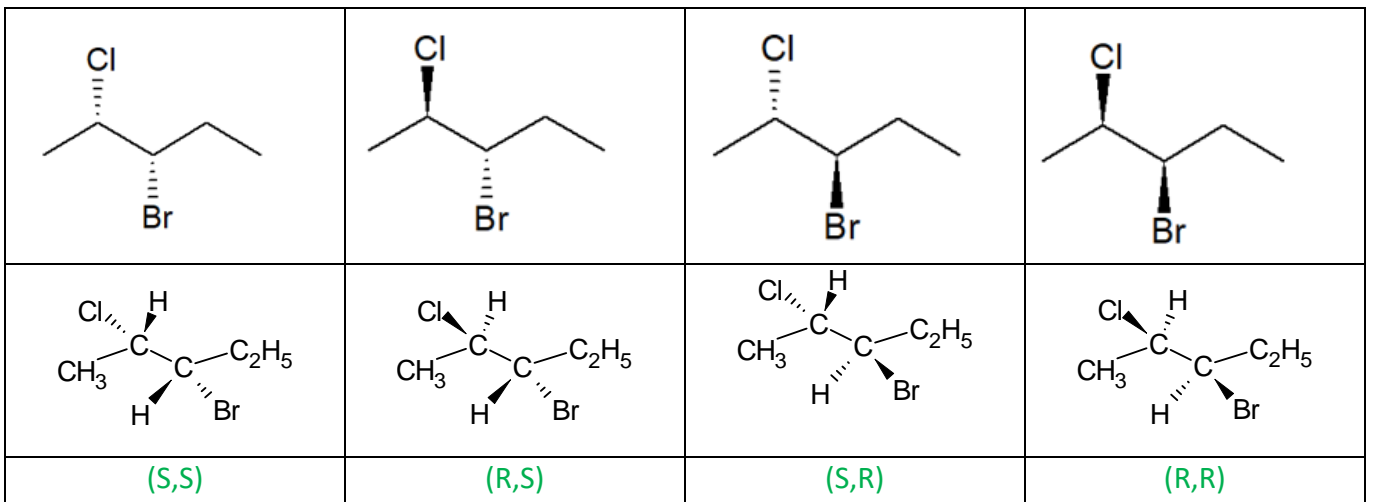
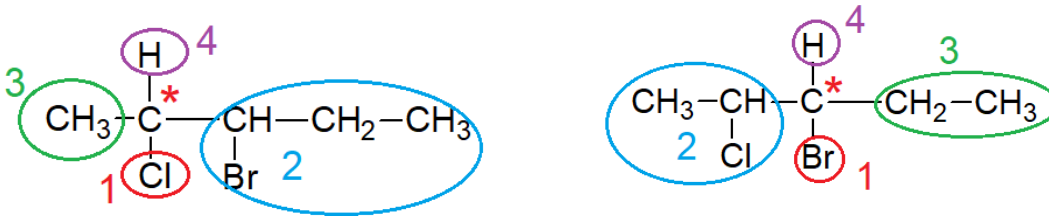


Molécules identiques

Couple d'énantiomères

Molécules qui ne sont pas chirales

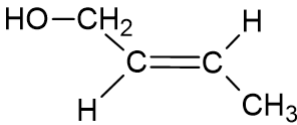
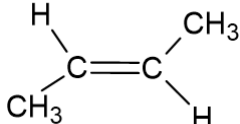
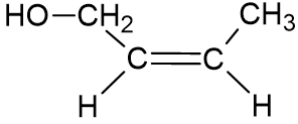
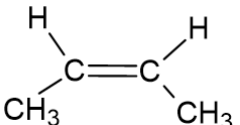
Exercice 7

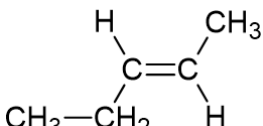
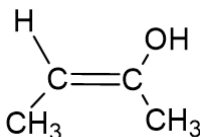


Couples d'énantiomères : molécules 1 et 4, molécules 2 et 3

Couples de diastéréoisomères : molécules 1 et 2, molécules 1 et 3, molécules 2 et 4, molécules 3 et 4

Exercice 8

	Molécule 1	Molécule 2	Molécule 3
	$\text{CH}_3\text{-CH}_2\text{-CH=CH}_2$	$\text{HO-CH}_2\text{-CH=CH-CH}_3$	$\text{CH}_3\text{-CH=CH-CH}_3$
E			
Z			

	Molécule 4	Molécule 5	Molécule 6
	$\text{CH}_3\text{-CH}_2\text{-CH=CH-CH}_3$	$\text{CH}_3\text{-CH=C(OH)-CH}_3$	$\text{CH}_3\text{-CH}_2\text{-CH=C(CH}_3\text{)-CH}_3$
E			
Z	